

**FLAKE & NODULAR IRON CASTINGS**

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## NEWS SUMMARY

### GENERAL

#### Rhodesia vows airliner revenge

Black and white Rhodesian leaders, angered by the destruction of another airliner and the deaths of its 59 passengers and crew, vowed revenge against the nationalist guerrillas who apparently shot it down.

Prime Minister Ian Smith said it seemed clear the Air Rhodesia Viscount had been brought down by guerrilla fire. In Nairobi, guerrilla leader Joshua Nkomo said that if the crash was caused by ground fire, his men must have been responsible. Page 4

#### Benn opposes Harriers sale

Energy Secretary, Mr. Anthony Wedgwood Benn, joined Labour Left-wingers in open opposition to the Government's proposed sale of Harrier jets to China.

Mr. Benn's move could lead to another clash with the Prime Minister over his role as a Cabinet Minister. Back Page

#### Maudling 'worse'

The condition of Mr. Reginald Maudling, a former Conservative Chancellor and Home Secretary, who is suffering from hepatitis, worsened with haemorrhage and some indication of kidney failure, the Royal Free Hospital, London, announced.

#### Martial law move

Martial laws imposed in Turkey for two months in December after riots in the south, are to be extended for a further two months pending Parliamentary approval, Premier Bulent Ecevit said.

#### New Shutto plea

Pakistan Supreme Court meets today to consider a last-ditch plea by defence lawyers to stay the execution of former Prime Minister Zulfikar Ali Bhutto.

#### Executive freed

Gunmen kidnapped a Basque executive in the town of Paracale, then freed him two hours later after shooting him twice in the legs, police said.

#### Callaghan writ

Mr. James Luke Stone, of Waltham Cross, Herts, has issued a High Court writ against the Prime Minister claiming damages for alleged negligence in dealing with complaints made to him by letter last May.

#### Treasury bequest

Miss Alice Sutcliffe, of Salkeld St., Rochdale, Lancs, who died in November leaving £8,046 gross (£7,746 net), has bequeathed all her property to the Treasury to reduce the national debt.

#### Chad fighting

Rebel Chad forces supporting Prime Minister Hissene Habre appeared to control most of the capital city of Njamena after 24 hours of street fighting with troops loyal to President Felix Malloum, according to French officials.

#### Briefly...

French film director and producer Jean Renoir has died in Los Angeles, aged 84.

Air-sea search was called off last night after a light aircraft with four people aboard disappeared off the South coast.

Irish Foreign Minister Michael O'Kennedy is due to meet Northern Ireland Secretary Roy Mason in London today. Page 8; Editorial comment, Page 20

Sir Israel Brodie, a former Chief Rabbi of the British Commonwealth, died in a London hospital, aged 83.

Spanish tugs tried to refloat the Greek tanker Polys which ran aground in Cadiz on Sunday.

### BUSINESS

#### Equities up 9.3; Gilts stronger

**EQUITIES** improved steadily during the day and the FT Industrial Ordinary Index closed 9.3 up at 455.4.

**GILTS** attracted broad investment, with gains of 1 in longs. The Government Securities Index closed 0.29 up at 65.18.

**STERLING** fell 5 points to \$2.0035 but its trade-weighted index remained unchanged at 63.5. The dollar's depreciation narrowed to 8.4 per cent (8.7).

**GOLD** fell 33 to \$341 in London.

**WALL STREET** was 5.98 up at \$30.82 just before the close.

**BUNDESBANK** is expected to announce details today of the second U.S. government issue of DM-denominated treasury notes. Back Page

**SAUDI ARABIA'S** 100 per cent takeover of Aramco is expected in the near future, but the deal has not yet been formally signed.

**INDUSTRIAL OUTPUT** level has changed little since the sharp rise in the early summer, official figures up to the end of 1978 show. Strikes in the motor industry were largely responsible for the depressed level of output towards the end of last year. Back Page

**MINET HOLDINGS**, an approved Lloyd's insurance broker, is planning to merge its insurance business with Corroon and Black, one of the top six U.S. insurance brokers. Back Page

**EUROPEAN COURT** of Justice has upheld the decision by the Brussels Commission that Hoffmann-La Roche, the Swiss pharmaceuticals company, had abused its dominant position in the market for bulk vitamins, but has reduced the fine imposed by Brussels by a third to DM 732,000 (£197,000). Page 3

**STEEL** demand in Britain will not regain the levels of the early 1970s until 1983, according to the NEDC iron and steel sector working party. Page 6

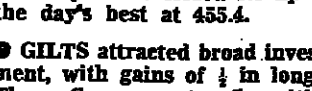
**ROAD HAULAGE** rates will have to rise by at least a third by the end of the year because of 22 per cent pay awards to drivers and the prospect of annual inflation of 15 per cent, the group managing director of British Road Services has said. Page 6

**BL CARS** Longbridge plant strike leaders are expected to recommend a return to work today to the 20,000 strong workforce. Back Page

**DALGETTY** reports a 22 per cent rise in pretax profits for the six months to December 31 from £10m to £12.2m on turnover of £438m (£366m). Page 22 and Lex

**MFI Furniture Centres** reports a £4.3m rise in pretax profit to over £8m for the half year to November 25 and announces a capital reorganisation that will free dividends for two years. Page 22 and Lex

#### Industrial Ordinary Index



## TUC is expected to approve charter on strikes today

BY CHRISTIAN TYLER, LABOUR EDITOR

The TUC is expected to endorse today a detailed charter for good industrial relations behaviour, including more discipline in using the strike weapon and picketing, and a more tolerant line on the closed shop.

If the charter, comprising three sets of guidelines, is adopted by the TUC general council at a Downing Street meeting with Cabinet Ministers this morning, the Prime Minister will unveil it in the Commons this afternoon.

The guidelines say that strike action is a last resort and should not be used before careful consideration of its impact on others. They also say it is expensive.

Strike ballots are strongly recommended (many unions already have them), but are left to the unions' discretion.

Safety cover should always be provided, says the charter, and picketing should be "safe, in exceptional circumstances" be confined to the premises of employers in dispute, or those of their suppliers and customers. Picket-line behaviour and organisation is spelt out.

The guidelines stress the need for periodic reviews of negotiating machinery, and proper dispute procedures. The TUC reprints its model "status quo" clause. Agreements should run their full course before strike action is taken, they say.

Pointing out that many closed shop agreements are much less rigid than is often suggested,

The CEI yesterday launched a fresh attempt to gain support for its proposed new economic forum comprising the Government, MPs, and other interests. The forum would stage an annual public debate on what the country could afford on wages. Page 6

Unions should use the independent review committee, set up under TUC auspices, to hear complaints from workers who have lost their jobs for refusing to join or who have been expelled from unions.

It says that of about 5m workers covered by closed shops, less than 1m are in pre-entry shops—where a worker has to be a union member before getting the job.

Mr. Callaghan is likely to claim that the code of conduct answers the allegations of the Opposition and of business leaders during the recent spate of strikes that the unions have abrogated their responsibilities or lost control of their members.

One of the political consequences of the agreement, tucked out in a hasty series of meetings over the past fortnight, could be to identify the Conservatives more closely still with the use of legal remedies for industrial indiscipline, and Labour with self-regulation.

To some extent, notably in their decision to recommend secret balloting for strike decisions, the TUC and Government have seized the platform of Conservative moderates like Mr. James Prior, Shadow Employment Secretary.

The joint statement, called The Government, the Economy and Trade Union Responsibilities, is much less precise on the future of pay bargaining, and, at the TUC's insistence, says virtually nothing about the current wage round.

It develops the idea of a "national assessment" of economic prospects by the Government and both sides of industry, to be conducted each year before Easter. But the machinery for this, as for some kind of pay comparability between public and private sectors, remains to be worked out in coming months.

Details Page 24  
Editorial comment Page 20

## PLO cannot be ignored in peace talks—Dayan

BY DAVID LENNON IN TEL AVIV

MR. MOSHE DAYAN, Israel's Foreign Minister, yesterday conceded that Israel cannot ignore the Palestine Liberation Organisation in future peace negotiations.

A major political row was brewing last night over his statement, which appears to be a radical departure from the position of successive Israeli governments.

They have condemned the PLO as a terrorist organisation and have rejected efforts to involve it in peace talks.

Mr. Dayan told a meeting of Jewish war veterans in Jerusalem that, while the PLO was not a state: "We cannot deny their position or their value in the conflict, eventually in order to reach agreement."

Mr. Menahem Begin, the Prime Minister, said later that Mr. Dayan had not intended to imply that Israel recognised the PLO. It was "a murderous

organisation" and Israel would never negotiate with it.

Members of the Knesset (Parliament) called for an urgent debate on the statement, with members of the ruling Likud bloc saying that the Minister had disqualified himself from leading Israel's team at the reopened Camp David peace negotiations next week.

Some called for his resignation, while left-wing politicians praised the Minister's statement. The Foreign Minister said that the PLO was not only a terrorist organisation—it was also a civilian one, representing Palestinian refugees.

"No one believes, and certainly we don't think, that a final settlement of the conflict in the Middle East can be achieved without a settlement of the refugees," he said.

Officials at the Foreign Ministry clearly taken aback by the statement, tried to play

down the significance of Mr. Dayan's remarks.

Meanwhile, Mr. Ezer Weizmann, the Defence Minister, offered Israel's co-operation in a new Israeli defence alliance in the Middle East when he welcomed Mr. Harold Brown, the U.S. Defence Secretary, who arrived yesterday.

Israel is the third stop in his four-nation tour of the Middle East which is designed to reassure Western states of U.S. support for their security needs in the wake of the revolution in Iran.

The Israeli Minister called on the U.S. for "a show of leadership, courage and initiative."

Israel is worried that the U.S. efforts to re-organise the Western alliance in the region may lead to greater reliance on Saudi Arabia and Egypt.

There is also a fear that the arms which Washington intends to supply to pro-Western Arab states may upset the military balance.

## Norcros raises tile group offer

BY JOHN MOORE

THE BATTLE to take over H and R Johnson-Richards Tiles was renewed yesterday when Norcros raised its offer.

Norcros has made a profit forecast for the current year ending March 31, 1979. Its taxable profits are promised to be about £17m, compared with £14.5m in 1977-78.

Although Norcros has raised its bid, the Johnson-Richards Tiles board intends to resist it.

But major shareholders in the tile company—namely London Brick with a 10 per cent stake, and other family holdings of ex-directors whose holdings add up

to about 13 per cent—have been won over by Norcros and plan to accept the new bid.

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## Left-wingers challenge Ayatollah

BY ANDREW WHITLEY IN TEHRAN

THE LEFT-WING challenge to the Ayatollah Khomeini's attempt to establish an "Islamic Republic" yesterday only two days after the overthrow of the Shah's regime.

The Fedayin-e-Khalq, or Strugglers of the People, the main Marxist group, which does not share the religious leader's idealistic vision, claimed responsibility for the capture of Dr. Shapour Bakhtia, the former Premier—and the last to be appointed by the Shah.

Last night Dr. Bakhtiar was said by the Ayatollah's headquarters to be "in the custody of the Government." He may be put on trial.

A spokesman also said that General Manoucher Khomeini, one of the most fiercely loyalist Iranian officers and former commander of the Army's helicopter-borne forces, had been detained.

The national radio, renamed the "Voice of the Revolution," yesterday reported that General Khomeini, a noted hardliner, and two of his aides had taken off from the central city of Isfahan for an unknown destination in an apparent attempt to flee the country.

Yesterday, the Ayatollah

appeared in person in television to declare the buying and selling of arms as contrary to Islamic faith. He appealed for solidarity in all classes.

The Left seems intent on asserting its power to influence Khomeini's effort to remould Iran.

In a statement yesterday to Mr. Abolhasan Ban Sadr, the religious leader's radical aide who is expected to be given charge of financial and economic affairs, the Fedayin-e-Khalq announced its agreement to take part in a top-level committee with the shadowy Islamic Revolutionary Council to deal with the problem posed by the estimated 70,000 firearms in "private hands."

Our Foreign Staff adds: The British Government yesterday recognised the new regime in Iran. The Foreign Office said Mr. John Graham, British Ambassador, had been instructed to make contact with the Dr. Bazargan Government and to say that the UK looked forward to establishing good relations with the new Administration on the basis of friendship and mutual respect.

Other developments Page 4

## Dow moves to freeze Iran bank accounts

BY JOHN EVANS

DOW BANKING Corporation, the Swiss-based subsidiary of Dow Chemical, has effectively frozen the New York and London accounts of a small Iranian commercial bank—the first such action through Western courts since the Iranian economy was brought to a virtual standstill.

Dow Banking claims that the Iranian Bank is in default on an interbank deposit in U.S. dollars extended recently by Dow. Citibank of New York retains a small stake in the Iranian Bank.

Dow Banking in Zurich yesterday would not discuss the case in detail, but confirmed: "We have filed a suit to block the Iranian Bank's account at Chase Manhattan Bank in New York, as well as at a number of other banks, including London accounts."

The Iranian Bank is claimed to be in default on both interest and principal payments.

The amount is undisclosed. Dow originally gave the Iranian Bank an extension on the deposit, after it became clear that the latter was not honouring the transaction. Despite this, the bank still failed to make payments, and after three weeks Dow decided to take legal action.

There are also unconfirmed market reports in the U.S. and European financial centres that similar claims by banks may be made shortly.

Dow's court action may trigger more claims as many Western banks privately indicate that the servicing of their commercial transactions with Iran has been delayed or even halted in recent weeks.

The flood of cancellations of western contracts, including up to \$15bn in defence contracts, has increased greatly the exposure of the major banks financing business in Iran.

Continued on Back Page

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## EUROPEAN NEWS

## 1978 takes heavy toll from insurance

By John Wicks in Zurich

THERE WERE more natural catastrophes in the world during 1978, than in most years, according to a survey published by the Swiss Reinsurance Company, of Zurich. The highest death tolls were 26,000 during the Iranian earthquake of last September and about 15,000 from monsoon rains in northern India during the same month.

In the U.S. there were numerous tornadoes—four of which led to insured losses of \$50-\$80m each—though none of them was comparable to those of the 1980s and the early 1970s. Insured damage of some \$50m (\$50m) resulted from the southern Swiss floods last August.

Marine insurance registered a great increase in the number of losses over previous years, the report states. Major claims included those on the "Amoco Cadiz" tanker grounding (\$55m), the sinking of the German freighter "Muenchen" (\$55m) and the fire on board the container ship "Neubau 905" in Rotterdam (\$50m). Rising repair costs led more often to total losses.

In aviation insurance, loss frequency was at about 1977 levels, although the collision in San Diego of a Boeing 727 and Cessna, with 144 dead, was the most serious accident ever recorded in U.S. air space and led to an \$8m hull loss and a \$51m liability loss. Over 200 people died in two further major crashes.

Industrial fire insurance was less affected by claims than in 1977. The largest single claims were a fire resulting from a burst pipe in a Saudi-Arabian refinery (\$53.7m) and a fire in a South African uranium ore dressing plant (\$46m).

## FRENCH REGIONAL DEVELOPMENT

## Guided free choice for industry

BY TERRY DODSWORTH IN PARIS

THE BRAVE new world of independent, innovative industry which has been so loudly proclaimed by the French Government over the past few months has been obscured by something much more familiar: more state handouts and more state-guided investment by the motor companies in the regions.

The scheme to create 11,600 jobs in depressed North Lorraine came as no particular surprise. Ever since the Government made it clear that it was set on a shake-out in the steel industry, it has been promising some sort of compensatory action. It even set up a special FFR 3bn (£350m) fund to help. But this does mean that the policy of brass competitiveness, as presented by M. René Monory, the Economics Minister, and his mentor M. Raymond Barre, the Prime Minister, is a little less categorical than it looks.

M. Monory sometimes sounds — and acts — like a French

version of Mr. Edward Heath. He has no time for price controls, and is swiftly dismantling them. He wants to reduce government intervention in industry and open it up to international competition. He believes in independent initiative and the play of market forces. If industry is given enough freedom, he says, it will seek out the growth sectors for itself.

The trouble with this policy is that, even if ultimately successful, it is likely to leave a jobs gap in the short term as the purge on the decaying sectors works through. French companies have not been investing heavily and, apart from some sectors of the chemicals and motor industries, the growth areas are not emerging clearly. The situation in the North demonstrates this problem. The steel industry alone, having lost 12,000 jobs in the last two years, is to shed another 20,000 starting from this March. In some of the old steel towns, unemployment

is expected to reach 30 per cent. Hence the Government's attempt to pump new vitality into the North through its job creation plan. Broadly, this assistance takes two forms: cash spent by a new State finance agency called the Special Fund for the Adaptation of Industry (FSAI), and more assistance to develop the transport and educational infrastructure.

The FSAI was created last September with the specific aim of helping four areas: Lorraine, the Valenciennes region in the North, the lower Loire, and east Marseilles. Any company, French or foreign, is eligible for the assistance so long as it creates more than 50 jobs.

The money comes in two forms—straightforward subsidies, which must not exceed more than 20 per cent of the firm's total outlay, and 20-year loans which carry a mixture of fixed interest (3.5 per cent), and a rate tied to results. In the 1978-79 period this fund has been allocated FFR 3bn.

These measures are clearly not those of a Government which is abandoning industry to its own resources, or even taking up the position of interested referee. In fact, what is emerging is a more complex system.

M. Andre Giraud, the Industry Minister, underlined the role of the State the other day when he said that it would necessarily have to play a big role in the development of the industries of the future.

He went on to argue that the development of these sectors must be accompanied by the adaptation of traditional industries to lower volumes and more sophisticated products, as the developing world takes over the market, while the stronger sectors of industry seek a more international base.

Meanwhile, a great deal of reluctance for solving the North's problems is being placed in the medium-term on the motor industry. The biggest of the newly-announced investment schemes will be a Peugeot-Citroen gearbox factory at Valenciennes costing FFRs 1.5bn and creating 2,500 jobs.

Along with another Peugeot-Citroen factory in the Ardennes, plus the development of two of the joint Renault-Peugeot components factories and the establishment of a General Motors battery plant, the motor industry will create about 6,000 jobs.

Some French critics have shown considerable scepticism about these plans. Does Peugeot-Citroen, absorbing new capacity in the shape of Chrysler Europe and faced with problems in Iran, really need all this new investment? And is the motor industry still a reliable growth sector?

The French Government must be asking itself similar questions — which just goes to show that it has not managed to disentangle itself as yet from the rough and tumble of the market place.

## USSR and Yugoslavs row over Cambodia

By Paul Lendvai in Vienna

THE VIETNAMESE invasion of Cambodia has accelerated the deterioration of Soviet-Yugoslav relations.

Despite President Brezhnev's recent personal message to Marshal Tito, polemics between the Soviet and Yugoslav mass media have become even more embittered. Several times during the past two weeks Moscow television and the Soviet Communist Party newspaper Pravda have accused the Yugoslav mass media of spreading "untruths" and acting as "lawyers" for the inhuman dictatorship of the former Pol Pot regime.

There are two fundamental and inter-related points behind the extremely firm Yugoslav position—the ominous precedent of the foreign invasion of a sovereign country and the danger posed to the future of the non-aligned movement by the attack on one non-aligned and socialist state by another.

## Imposing

Both points directly affect the security of Yugoslavia which since the break with Stalin in 1948 has carved out for itself a very special position between the blocs as a peace-maker of non-alignment. The Yugoslavs are aware of the growing danger of external meddling after Tito's death.

This is why Mr. Dusan Dragasovic, an influential member of the Yugoslav party presidium announced last week that acts of intervention like the invasion of Cambodia could not be justified by any kind of theory about "limited sovereignty".

Time and again the Yugoslavs have repeated that the character of the former Pol Pot regime is not at issue, but rather "the defence of generally recognised international principles according to which no single country (or group of countries) has the right (regardless of being socialist and non-aligned) to resort to force in imposing its system upon other countries."

## Violence

As the prominent Zagreb Radio commentator, Mr. Milica Sundic put it, "When a great power occupies a small country on behalf of socialism and so-called proletarian internationalism, this cannot be a cause for celebration for anyone in his right mind. This is violence of which socialism cannot be proud and which can hardly win over other people."

What the former Yugoslav Foreign Minister and Presidium member, Mr. Milos Mucic called a "combination of Blitzkrieg and special warfare" in Cambodia is also seen by the Yugoslav leadership as an acute danger to the non-aligned movement as a whole. Marshal Tito, in his 87th year, is now touring the Middle East not just as the symbol of Yugoslav independence but also as the doyen of the non-aligned movement. The Cuban intervention in Angola and the Vietnamese invasion of Cambodia pose a threat to the very essence of the non-aligned concept, once symbolised by the triumvirate of Tito, Nehru and Nasser.

## Non-aligned

At the first Belgrade summit meeting of the non-aligned movement 25 states were represented. Last summer at the Belgrade conference of non-aligned foreign ministers, 85 fully fledged participants (including the ELO) were present. Yet only seven months before the next summit which is scheduled to take place in September in Havana, the Yugoslavs are waging an all-out struggle to save the movement's original principles.

The split between Cuba, the host country of the forthcoming summit and Yugoslavia is so deep that after the recent Belgrade visit of the Cuban Foreign Minister, Sr. Isidoro Malmierca, not even the usual joint communiqué was published. The Cubans publicly and unflinchingly supported the Soviet-backed Vietnamese invasion of Cambodia while the Yugoslavs remained equally firm in their rejection of the Soviet bloc line.

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## Foreign aid depends on further austerity measures in Turkey

BY METIN MUNIR IN ISTANBUL

INTERNATIONAL RESCUE operations to provide Turkey with aid are expected to start by May, according to foreign bankers in Istanbul. The bankers say they would like to see this help for Turkey in its economic crisis carried out under the umbrella of the Organisation for Economic Co-operation and Development.

But first, they say, Mr. Bulent Ecevit, the Prime Minister, will have to adopt the further strict stabilisation measures being demanded by the International Monetary Fund. Secondly, political terrorism must not reach dimensions which threaten to cause the fall of the Government. At present, Mr. Ecevit's prospects in both spheres are uncertain.

He can expect funds from four directions.  
1—The OECD secretary-general, Mr. Emile van Lennep, is co-ordinating a multinational emergency programme. After their decision in Guadeloupe to help Turkey, the four Western powers—Britain, France, the U.S. and West Germany—have asked the OECD to handle the operation.

Mr. Van Lennep is contacting OECD members and oil States, such as Kuwait and Saudi Arabia, on the aid they can offer. The programme is aimed at providing "immediate aid," but Turkey's medium-term needs will also be taken into account.

These needs are extremely large. Mr. Ziya Muezzinoglu, the Minister of Finance, said in an interview that Turkey needed "between \$1bn and \$1.5bn a year over the next five years."

2—Oil states are also being approached on Turkey's behalf by the Libyan Government, which is urging Arab states to set up an emergency fund for Turkey. Should the response be slow Colonel Muammar Ghaddafi, the Libyan President, has promised quick Libyan credits which would later be incorporated into the Arab fund.

3—Foreign banks have promised a fresh money loan. Initially targeted at \$500m this will almost certainly not surpass \$400m. It is separate from the large-scale debt rescheduling now under way.  
Over \$6bn of debt is being rolled over or tidied up. Agree-

ment has been reached between the Turkish Government and foreign banks on most categories of debt, though some uncertainty remains over how the estimated \$1.5bn of arrears on unguaranteed suppliers' credits will be handled.

4—Least in money terms but most important of all, is the further credit tranches Turkey



Mr. Ziya Muezzinoglu

can hope for from the IMF. Last April, the Government signed a \$450m agreement with the Fund, whose subsequent demands for austerity led to delays in the releasing of the second tranche last autumn. Now there are problems over the third tranche.

The economic background is grave. Turkish industry is working at well under 60 per cent of capacity, unemployment has risen further and inflation is more than 60 per cent a year. The strains caused by this have helped fuel an increase of political violence; over 900 people are believed to have lost their lives last year.

Now the IMF is calling for a 30 per cent devaluation, though bankers in Istanbul say the lira's real value has fallen by over twice this. Mr. Ecevit is also being pressed to control wage increases, tighten control over central bank credits and revamp the state economic enterprises.

## To Future Generations, Security



Horyuji temple links the past to the present with the gleaming beauty.

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## EUROPEAN NEWS

## Business optimism holds firm in France

By David White in Paris  
THE OPTIMISTIC outlook of French business which began to show last autumn has held firm, in spite of an increasingly turbulent labour climate.

The tone of cautious optimism is backed up both by the latest monthly survey from the official statistics body, INSEE, and by the employers' federation in its February economic review.

The INSEE survey, which regularly sounds out top managers, shows that industrial output is generally expected to maintain a moderate growth rate.

Order books are continuing to fill and "can now be considered normal." Export demand has for the past couple of months been stronger than home demand.

Production of capital goods is rising slowly, with marked differences between sectors. Consumer goods produced an upturn at the end of last year, and prospects are still held to be good, except for textiles, leather goods and household electricals which are expected to stagnate or drop slightly.

The CNPE employers' federation said that industrial expansion, which virtually halted in the middle of last year, had resumed and should continue at a moderate rate. But the harsh weather conditions had affected recent activity in the building industry, and public works and transport.

## Reserves pact renewed

By David Marsh

IN A move to help cut the sharp growth of international liquidity, central bank governors of the Group of Ten major industrialised countries are understood to have reaffirmed their 1971 commitment not to place increases in their foreign exchange reserves on the Euro market.

There have been signs that not all central banks in the group have been adhering to the undertaking, though the amounts they hold on the Euro market are thought quite small.

The renewal, agreed during the governors' meeting in Basle this week, has been urged particularly by the West Germans, who feel that the overall growth in external currency holdings has contributed to recent foreign exchange unrest.

## Holland eases credit curbs for small banks

BY CHARLES BATCHELOR IN AMSTERDAM

THE Dutch Central Bank is to continue to impose credit curbs for a further nine months although smaller banks will be given greater scope for expansion, the Bank has announced. Short-term credits and long-term credits not matched by long-term borrowing may rise by 9 per cent on the average level of credit outstanding in the final quarter of 1978, which was fl 59bn (£14.7bn).

This represents a slight easing of the 8 per cent limit which has applied since April, 1978, and which ends on March 31.

Under the new measure the large banks will limit growth to 8 per cent and allow the smaller banks, which do not have access to large numbers of savings and current accounts for funds, to take up the extra 1 per cent.

The credit limits, introduced in 1977, have been successful in limiting monetary expansion in the past two years while inflation has also been brought down. But it is still necessary to continue the curbs, the Central Bank said.

The need to restore the stability of the balance of payments, which moved into deficit in 1978, was also an important consideration. The Central Bank has tried to leave room for the banks to find any improvement in the

economy and to allow the demand for higher liquidity to be met entirely from domestic funds. Dr. Jelle Zijlstra, the bank's president, has also taken into account the large government borrowing requirement. Some short-term borrowing will be needed to finance this and thus lead to the creation of more liquidity, a Central Bank spokesman said. The Government has budgeted for a record deficit of fl 16.2bn (£4bn) equivalent to 6 per cent of national income, in 1979.

The commercial banks will once again have to make interest-free penalty deposits with the Central Bank if they exceed the limits set. The penalty deposits were suspended in April, 1978 to allow the banks to adjust to the new definition of what long term borrowing was exempt from the credit limit. Savings deposits of two years and more were then counted as long-term borrowings for the first time.

The credit curbs are agreed after discussions between the Central Bank, the commercial banks and the post office giro authorities, although the banks have expressed reserves about the need for curbs in a sluggish economic climate.

## Socialist call over Community spending

By Elinor Goodman, Lobby Staff, in Luxembourg

THE SOCIALIST group within the European Parliament yesterday called for an increase in MF's control over both the size and the distribution of the controversial regional fund. The group, which is the largest single political grouping within the Parliament and includes Britain's Labour delegation, argued that an attack on regional inequalities should form a fundamental part of any Socialist party's campaign in the forthcoming direct elections for the European Parliament.

The size of this year's regional fund is currently the subject of an unprecedented tug of war between the Community's institutions. Yesterday the Socialist group made it clear that it supported the Parliament's challenge to the European Council, even though some Socialist parties, like the British Labour party, are opposed to any increase in the Parliament's powers.

Last autumn the Parliament raised the value of the proposed regional fund by 480m European units of account (£380m) to 13n EUA (£670m) despite the Council's insistence that the fund should not be increased. Yesterday the Socialist group said it would like to have seen an increase in the Council's proposed three year budget of over one-third.

Instead of the 1.85bn EUA proposed by the Council for 1978-80, the group said it would have preferred a regional fund of about 3bn EUA. Even this, it maintained, would have been quite a modest increase compared with the more than 9bn EUA which the Commission spent on agriculture last year.

In a booklet published yesterday, the group also emphasised its belief that EEC regional aid should be regarded as additional to national aid and not absorbed into national government programmes.

The whole principle of "additionality" is being raised by a case involving a Scottish company which has been taken up in Luxembourg by Mrs. Winnie Ewing, the Scottish Nationalist MP. She claims that the experience of a Montrose company, James Mills, shows that the British Treasury is sitting on funds which the EEC has agreed should go to help industry.

## Portuguese strike leaders lose jobs

BY JIMMY BURNS IN LISBON

THE PORTUGUESE Government yesterday dismissed 18 leaders of the nationwide telephone strike and threatened to suspend many more unless the men went back to work.

The country's conservative non-party Government did not carry out an earlier threat to bring in troops to get the situation back to normal. But the Government's actions so far have been bitterly criticised by the Communist

dominated Inter-sindical trade union which claims to control 80 per cent of Portuguese labour.

The eight-day strike by the 10,000 telephone workers is making it difficult for the Government to fulfil its February 15 deadline for the submission of the 1979 budget and its short-term economic plan.

After a unanimous decision by the telephone workers to continue the strike, Inter-

sindical accused the Government of using the current flood disaster to turn public opinion against the strikers. Trade union leaders described the strike over a 19 per cent wage increase as "realistic," indicating that the Government will have difficulty holding salary increases to 18 per cent this year.

Government officials said yesterday the disruption of the country's telephone system was a purely political

gesture when Sr. Carlos Mota Pinto's Cabinet was facing a crucial parliamentary test over its economic plans and was negotiating with the IMF.

Meanwhile, the effects of recent torrential rain spread throughout the country. Lisbon's water supplies were cut off yesterday forcing many schools to close temporarily. Reservoirs have been flooded and the health ministry has declared tap water unsafe.

## European Court upholds Roche judgment

BY GILES MERRITT IN BRUSSELS

THE EUROPEAN Court of Justice has upheld a judgment by the Brussels Commission that the Swiss pharmaceutical giant, Hoffmann-La Roche, abused its dominant position in the market for bulk vitamins.

However, the court yesterday ruled that the Commission's fine of DM 1,098m (£297,000) should be reduced by a third to DM 732,000 because the Commission's case had not been sufficiently proved regarding one of the seven vitamins involved.

In its original decision, in June 1976, the Commission decided that Roche breached Article 86 of the Rome Treaty by abusing its dominant position in supplying vitamins A, B2, B6, C, E, biotin (H) and pantothenic acid (B3) to the EEC's 22 largest bulk buyers.

Roche has been cleared on its commercial activities relating to vitamins B3.

The European court's decision had been foreshadowed last September by the Advocate General's recommendations on the appeal that Roche had lodged following the Commission's decision. The Advocate General considered that the Commission's analysis of the Swiss multinational's market practices — which centred on "loyalty bonuses" — was well founded in all cases but that of vitamin B3.

He suggested that the Commission's fine should therefore be amended. The case against Roche, which was established when internal documents were passed to the Commission by a company employee, was that it had secured market shares in vitamins amounting in some instances to 95 per cent. To do so it had concluded exclusive and preferential contracts to hinder fair competition.

John Wicks adds from Zurich: Commenting on the decision yesterday, the Swiss company drew attention to the fact that the Advocate General had called for the complete rescinding of the fine. He contended

that Roche could not be accused of criminal negligence in view of the unclear legal situation.

The company considers that the fine should consequently have been quashed owing to the absence of negligence on its part. "As it is, the decision has no further consequences for Roche because the contracts objected to were already cancelled at the beginning of the proceedings."

Guy de Jonquieres adds: The European Commission plans to set up before the end of this year a special committee to study pricing policies in the European pharmaceuticals industry.

## Jenkins urges action on EEC farm surplus

BY GUY DE JONQUIERES, COMMON MARKET CORRESPONDENT

MR. ROY JENKINS, President of the European Commission, warned yesterday that the imbalances in the EEC's agricultural markets were even more serious now than a year ago and made a price freeze for the coming year essential.

Surpluses, especially in the dairy sector, were placing an "intolerable" strain on the Community budget. As long as they continued to exist, the EEC must pursue a rigorous price policy and take other measures to bring them under control.

Failure to take the necessary action would have dire consequences. The alternatives would be even more unpopular with the Community's farmers than the problems of high prices and expensive surpluses were with consumers today.

Presenting the Commission's programme for the coming year

to the European Parliament, he expressed confidence that the EEC would be able to make progress this year towards the reform of its farm financing arrangements, notably by curbing the creation of new monetary compensatory amount (MCAS). This was despite the renewed failure by EEC Agriculture Ministers on Monday to find any solution to the continuing dispute over MCAS, which has been holding up the launch of the proposed European Monetary System since the beginning of the year.

He also hoped that once the EMS had started it would create an economic climate in which MCAS, used to cushion the impact on EEC farm trade on changes in national exchange rates, could be eliminated in an orderly manner.

But he warned that this pro-

cess must not be allowed to compromise the Commission's price policy or block its objective of restoring balance to EEC agricultural markets.

Much of Mr. Jenkins' address consisted of a broad survey of the coming year, with predictable references to the importance of next June's direct elections to the European Parliament, the completion of EEC entry talks with Greece, and the need for greater economic convergence within the Community to buttress the planned EMS.

But it contained little in the way of fresh proposals for action and made only passing mention of the problems of unemployment and economic disparities between EEC regions.

These omissions drew criticism from a number of Euro-MPs, notably on the Socialist benches.



Mr. Roy Jenkins



Bronze bust by George Frampton sold for £1,000.



Carved wood Maori figure sold for £5,400.

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## OVERSEAS NEWS

## IRAN UNDER THE AYATOLLAH

## Grappling with the economic crisis

BY SIMON HENDERSON IN TEHRAN

MR. AMIR ENTEZAM, Iran's new deputy Prime Minister for Public Relations said yesterday that the Government would act immediately to sort out the country's economic crisis. It was, if anything, an enormous understatement of what needs to be done. Iran, formerly the world's second largest oil exporter, has not sent any abroad for nearly two months and other exports have been held up by a strike by customsmen in support of Ayatollah Khomeini, the architect of the new Islamic republic.

Aside from the shutdown of businesses and collapse of external trade, there is also a danger of a breakdown in food distribution and the combined economic and political hazard of huge unemployment.

It has always been recognised as a failing of the Shah's regime that agriculture had fallen behind the country's advancement to the point where Iran was no longer self sufficient, needing to import 25 per cent of its food.

That process has been disrupted by the revolution, although until last week imports of frozen meat and live sheep from Romania and Australia were still being allowed through the ports. Reserves of meat are still a healthy three or four months. Grain imports are also arranged until the end of March.

A temporary surplus of chicken and eggs has developed. Farmers have been killing their chickens because they can no longer feed them owing to a cut-off in feedstuff imports. But this surplus should change into a shortage within a few weeks unless the new Government takes action.

The danger is that another petrol shortage will hit distribution. As it is, the supermarkets are usually out of dairy food and meat. Fresh fruit and vegetables are in short supply and expensive. The bazaar in Tehran—an important distribution as well as retailing centre—remains shut and most small food stores in the centre of

Tehran have their shutters half closed.

As for unemployment, this was estimated at 3.5m or 35 per cent of the labour force even before the able-bodied men took off at the weekend to become a revolutionary fighter. Hardest hit was the construction sector but industry and services were also badly affected.

Various strikes have ended since the change in government, and telegraph services with the rest of the world are now operating normally. But the banks remain shut and civil servants seem to be waiting for a summons from their new ministers before reporting for work.

Apart from ending strikes the success of any economic revival seems to depend on a resumption of oil exports. Getting the oil moving would generate a necessary inflow of cash, and would also revive international confidence.

For the moment oil production remains at around 600,000

barrels a day which is not even enough to meet domestic demand of at least 800,000. A pessimistic note is that all offices of the National Iranian Oil Company were closed yesterday and callers were told to come back on Saturday. The spirit of the revolution has yet to be transformed into the energy to build an Islamic Republic.

Victor Mackie adds from Ottawa: The Canadian Government has an emergency plan to ration gasoline and fuel oil if the trouble in Iran causes further shortages in world supplies. Mr. Alistair Gillespie, the Energy Minister, told the Commons.

Mr. Gillespie said a worsening shortage would oblige Canada to cut back oil imports as part of an international agreement to share available supplies. "I don't think at the present moment that it is any more than a possibility. However, just in case, we have a contingency plan," he said.

## AMERICAN NEWS

## Argentina 'near atomic capability'

BY HUGH O'SHAUGHNESSY

ARGENTINA is moving swiftly towards the capability of manufacturing nuclear weapons, according to a leading Argentine politician, while the Argentine air force is developing rockets with the ability to reach an altitude of 500 km.

"In 1980 our uranium reprocessing plant will be working, which will give us the ability, one supposes, to build atomic bombs." This was stated in a communiqué by Captain Francisco Manrique, a retired Argentine naval officer and politician who has close contact with the military Government in Buenos Aires, before he left London at the weekend for the Vatican. The communiqué was circulated by the Argentine embassy in London.

While visiting Britain as a

guest of the Government, Capt. Manrique viewed shipyards, industrial plants and oil and nuclear energy installations.

Capt. Manrique added that Argentina did not intend to build atomic bombs. His country would be willing to sign the Tlatelolco treaty against nuclear proliferation in the Western hemisphere when the U.S. did likewise and taking into account the situation created by Cuba's unwillingness to sign it.

He said that Argentina's heavy water plant would be ready in 1981 and that in the 1990s Argentina would be building up to 10 nuclear power stations.

The Argentine air force last week launched a Taurus rocket able to propel a load of 500 kilos to an altitude of 300 km,

according to Inter Press Service. Next month the air force intends to start a joint programme with Peru, West Germany and the U.S. for the launching of Castor rockets capable of reaching an altitude of 300 km.

Brigadier Miguel Sanchez Pena, chairman of the Argentine National Commission for Aeronautical and Space Research, said that the rockets would advance study of the atmosphere and improve communications.

David Fishlock adds: The juxtaposition of the statements on Argentina's progress towards the separation of plutonium—a potential nuclear explosive—and a rocket delivery system can bring little comfort to nations working for tighter controls against the spread of nuclear

weapons. But similar signs of a near-nuclear capability from South Africa in 1977 brought intense diplomatic pressure from the U.S. and other weapon states. It culminated in a strong disavowal by the South African Government of nuclear weapon plans.

Victor Markie writes from Ottawa: Atomic Energy of Canada, the Canadian Government's nuclear agency, has decided to bid for a second nuclear reactor in Argentina, despite controversy surrounding its fees associated with the sale of an earlier Candu reactor to Argentina.

The formal bid, which will be made subject to Argentina accepting "full-scope" nuclear safeguards, is scheduled to be submitted to that country's Nuclear Energy Agency next month.

## Brazil nuclear debate continues

By Diana Smith in Rio de Janeiro

ALTHOUGH the international political aspects of Brazil's nuclear power programme have been cleared up, controversy continues to rage over a number of financial and technical issues.

The progress of the programme—the cost of which already has risen from \$10bn to \$13bn—will figure prominently on the agenda when Chancellor Helmut Schmidt of West Germany pays an official visit here in April.

After the signing of the 1975 deal in which Brazil agreed to purchase eight nuclear power plants from West Germany's Kraftwerk-Union (KWU), the U.S. administration and prominent Dutch and British officials repeatedly voiced fears that Brazil would use acquired technology to build a nuclear bomb.

## Refused to sign

Brazil's refusal to sign the Nuclear Non-proliferation Treaty increased those fears. However, while claiming that to sign the treaty would subject it to the whims of powerful nuclear nations, Brazil has committed itself to obeying all International Atomic Energy Agency (IAEA) safeguards.

This appears to have satisfied members of Unesco, the British-German-Dutch consortium approached for the supply of enriched uranium, and added weight to Brazil's insistence that it is dedicated to the end of the nuclear arms race.

Even President Jimmy Carter, once an active opponent of the Brazilian-German nuclear deal, appears to have satisfied himself that Brazil will use fissionable material only for peaceful purposes.

Brazil embarked on its nuclear programme with virtually no technical knowledge. It was in a hurry, seeing nuclear energy as the necessary complement to hydroelectricity, in a country where electric energy consumption rises by over 11 per cent a year.

Critics argue, however, that Brazil cannot afford the mounting costs of an ambitious nuclear programme scheduled to supply 10,000 megawatts by 1990 (if all eight German reactors are at stream). Hydroelectric schemes are set to supply some 60,000 Mw in that year, compared with current capacity of just over 20,000 Mw.

Angra-1, the Westinghouse-equipped reactor on Ilha de Angra, in Rio de Janeiro State, was expected to cost \$218m. The final price is likely to be between \$550m and \$1bn. It is expected to go on stream later this year, over a year behind schedule.

The authorities insist that thorough geological and seismic surveys indicated that Ilha de Angra was ideal for Brazil's first three nuclear reactors.

## Geological fault

But critics of the site say it is located on a geological fault. And over a year ago the plant slipped marginally out of alignment, experts claim, due to a subsidence that was less stable than expected.

The authorities insist that the difficulty has been corrected, as have other problems, such as inadequate safety provisions.

Construction of Angra-2, meanwhile, ran into a solid outcrop of deep rock originally thought to be removable. As a result of the additional engineering work, the cost of this plant is now estimated at \$1.5bn, with a cost per installed kilowatt of \$1,570.

The cost of the full eight reactor deal has been revised from the original \$10bn to \$15bn. The problems of Ilha de Angra have raised questions about the location of Angra-3. So far, the authorities say only that they are studying the question and might consider another site.

The slow progress on the first two German-equipped plants indicates that the Brazil-Germany nuclear deal is unlikely to be completed by 1990, the date originally set for the acquisition of the last plant.

## Rhodesia vows crash vengeance

By Tony Hawkins in Salisbury

WHILE THERE is still no official confirmation that the Air Rhodesia Viscount airliner with 59 people aboard was shot down by a Patriotic Front guerrilla missile, Rhodesian transitional government ministers made it clear yesterday that they had few doubts as to the cause of the crash.

In a statement, Mr. Ian Smith, the Prime Minister, said "on the evidence available it seems clear that the crash was caused by terrorist action." Other Government ministers and the black Nationalist parties within the interim Government lashed out at Mr. Joshua Nkomo.

Mr. Hilary Squires, Minister of Combined Operations, called for "totally just and warranted retribution".

Mr. Bill Irvine, joint Transport Minister and his colleague Mr. James Chikerema both sharply criticised the ZAPU wing of the Patriotic Front. Mr. Irvine said he would like nothing better than to be able to take Mr. James Callaghan and his cabinet colleagues to "see what these murderers have done."

Mr. Chikerema said that if it were proved that the Viscount was shot down by Nkomo guerrillas then "Nkomo should not weep when we retaliate."

## Bhutto court plea

By Chris Sherwell in Rawalpindi

AS PART of a last attempt to save his life, lawyers for Mr. Zulfikar Ali Bhutto, Pakistan's condemned former Prime Minister, has asked the country's Supreme Court to issue a stay order to prevent an early hanging. Execution is theoretically possible anytime from midnight tonight.

## Battle splits Chad capital

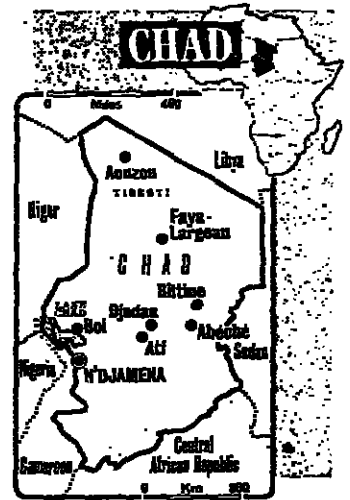
BY MARTIN DICKSON

FIERCE FIGHTING was continuing yesterday in N'Djamena, the capital of Chad, between forces loyal to President Felix Malloum and the followers of H. Hissene Habre, his Prime Minister of five months and a former guerrilla leader.

Some 24 hours after an apparent coup attempt by H. Habre, neither side appeared to be in control of the city. Reports reaching London suggested that M. Habre's forces, on the defensive overnight, were fighting back strongly and appeared to control half the city.

French troops garrisoned in N'Djamena, who could intervene decisively in the battle, were apparently remaining in their barracks.

The violence, the culmination of several months of mounting tension between the two leaders, began early on Monday morning. Military officials in N'Djamena said presidential forces went on the offensive after nearly five hours of shelling by M. Habre's men, who apparently took over the national radio station before



It was burnt down.

M. Habre is believed to have had up to a thousand armed followers in N'Djamena, under the agreement which brought the former leader of the northern Frontline guerrilla movement into the Government last August.

The fighting puts an end to the so-called Government of

National Reconciliation, set up in August with the aim of eventually ending the 13-year civil war between Frontline, representing the Moslem North, and the Government in N'Djamena, representing the Christian South.

Since M. Habre represents only one section of the sharply divided Frontline, his entry into the Government did not end the fighting. Other sections of Frontline, notably that led by M. Goukouni Wodje, held just over half of the country.

Although the August agreement did lead to substantially more Northern representation in the Government, long dominated by southerners, relations between President Malloum and M. Habre had deteriorated badly by October. Since then, the Government has been virtually paralysed. A showdown between the two men had become only a matter of time.

Despite M. Habre's offensive, the advantage would still appear to lie with President Malloum, since the French Government will not want to see him fall.

## China clash 'almost unavoidable'

BY RICHARD NATIONS IN BANGKOK

THE CHINESE military buildup on the Vietnamese border has now gone so far that a growing number of diplomats here think escalating border incidents—and possibly a limited Chinese incursion—are almost unavoidable.

The Chinese now have elements of four armies—180,000 troops—massed along its 540-mile border with Vietnam, heavily reinforced with supporting detachments of tactical air and armour, which, analysts here say, could easily overwhelm Vietnam's northern

defences and strike as deep as Hanoi or the port of Haiphong, just 100 miles south. Vietnamese forces are stretched too thin to allow significant reinforcement of its ground defences on the northern border. Authoritative military analysts here say that now 20 of Vietnam's 25-main-force army divisions are tied up on the Cambodian front. Another two are in Laos. This leaves hardly three divisions, plus militia, for defence of the north.

Vietnam, however, has managed to strengthen its air

defences in the north with SA-3 Soviet-built "Goa" anti-aircraft missiles and squadrons of MIG-21 fighter craft shifted up from the South.

The Soviet Union also has put on a show of support for its ally, Hanoi, by sending a fleet of nine military ships into the Gulf of Tonkin last week. But the fleet contains only one frigate and a Kresta-class guided missile-carrying cruiser, with the other ships designed only for intelligence-gathering or support.

## REGIONAL PRESSURES INCREASE IN INDIA

## A growing challenge to New Delhi

INDIA'S ambitious sixth five-year plan, involving massive Government investment of Rs 690bn (\$86bn), should have formally been launched in April 1978. Almost a year later, there is still no sign that its draft will be finalised and approved.

The plan, as drafted by the Planning Commission, has stumbled over dissent from a majority of the country's 22 states which form the National Development Council, the supreme economic decision-making body, which has to approve the plan before it can be implemented.

The states have no real quarrel with the stalled plan which seeks to shift emphasis to rural development and increasing employment opportunities by encouraging small industry. But they are demanding a larger share of the plan, together with a bigger slice of national revenues for its implementation, even though the Planning Commission's draft gives them more than they had ever had before.

When the draft was originally presented to the National Development Council last March, it withheld formal approval until the contentious matter of financial relations between the central Government and the states was sorted out.

Since then, the Council's special committee and working group has met several times without settling the matter. The quarrel has been reduced to the sharing out of a relatively paltry Rs20bn that has to be divided among the states in the remaining four years of the plan. But the bitterness aroused has severely strained relations not only between the central Government and the states but also among the states themselves.

This has given rise to new pressures that were unknown until the last couple of years. For nearly three decades, the National Development Council

was a mere rubber stamp. The chief Ministers of the states, who are its members, met periodically and dutifully endorsed the draft of various five-year plans prepared by the Planning Minister, of which the Prime Minister is the head. There was never any vote, no real need to adopt a formal resolution. On the rare occa-

sion where some chief Minister felt he was getting an unfair deal, the matter was sorted out in behind-the-scenes talks and treated as a family quarrel not to be aired in public.

That was when the Congress ruled the country without a break from 1947 until Mrs. Indira Gandhi's defeat in 1977. Now, however, with the emergence of governments of different complexions in India's 22 states has opened up rifts with the central government. As K. K. Sharma reports from New Delhi, the root of the problem lies in differences over regional growth policy.

central Government and the states on the one hand and relations among the states themselves on the other. Differences over "regional" growth and the need to have "balanced development" all over the country have existed for three decades. But so far they never had taken the form of a confrontation. The central Government had its way both because the Congress was in power in New Delhi and in most of the states and because of the force of personality of Mrs. Gandhi and her father, the late Jawaharlal Nehru.

In the absence of any nationally acceptable figure—Prime Minister Morarji Desai represents a party which has its base in only seven northern states and has no representation from the south—regional forces and pressures have grown rapidly.

The most vocal are the Marxists who are now in power in West Bengal and Tripura in north-eastern India. In a sense they represent regional forces since they have comparatively little support outside their stronghold (although the Marxist party has decided to spread its organisation into other states as well, particularly the crucial Hindi-speaking belt in the north).

Not unexpectedly, the election alliance between the Marxists

and the Janata party has broken up. The Marxists are finding allies in their confrontation with the central Government among other non-Janata states like Punjab (ruled by the Sikh Akali party) and Kashmir (where Sheikh Mohammed Abdullah's National Conference is in power).

These are all local parties whose demands for more financial powers have political reasons. To justify the faith reposed in them by the electorate, they must not only protect the people's interests but also do better than their predecessors. To do so successfully, they must swiftly implement economic development plans, but they find themselves limited because, under India's constitution, the central Government effectively holds the purse strings.

All states resent coming to New Delhi for handouts both for development and for other expenditure, and West Bengal bitterly complains that the central Government uses its powers "blatantly to buy out dissent" and hold the states to ransom.

Already divided by such factors as language (India has 17 officially recognised languages) and "sub-cultures" that the states represent in so large and diverse a subcontinent, they are not taking advantage of the weaknesses of the central Government. Formed by the disunited Janata party, the administration has not been able to bring to heel dissenting states in the manner of Mrs. Gandhi. Nor can it try to do so openly since it is committed to decentralisation of both economic and political power.

Yet as this builds up centrifugal forces that not only hold up development but also pose a threat to stability—in January there was a bloody border clash between Nagaland and Assam—the feeling is growing that a fresh debate is needed on the whole issue of centre-state relations.

## No strike deal threatens U.S. tyre industry pact

BY JOHN WYLES IN NEW YORK

SOME OF THE initiative in the forthcoming wage negotiations with the U.S. tyre industry has shifted to the United Rubber Workers, following an historic "no strike" agreement with the Firestone Tyre and Rubber Company.

The agreement may cause some tremors in the Carter Administration, which has already served notice by the union that it will not accept the 7 per cent wage guideline in its negotiations with the big four tyre companies—Goodyear, Firestone, Uniroyal, and B. F.

Goodrich.

The union's agreement will remove one possible participant from the tyre industry's mutual assistance pact. Since 1966, the URW has gone on strike in at least one tyre company, but the target company has received financial and product support from the others.

Mr. Peter Bommarrito, president of the union said yesterday that in the past the mutual assistance pact had "worked to the detriment of our membership" and Firestone's withdrawal from the programme

paved the way for "redefining our bargaining structure with the company."

The agreement provides that neither will exercise their legal rights to a lock out, strike or any other concerted activity interfering in plant operations in advance of a new master contract.

If Firestone and the union do not reach agreement in their own negotiations, then Firestone will accept "a pattern for settlement" the URW designated industry settle-

ment.

## Wage guidelines may be relaxed

BY JOHN WYLES IN NEW YORK

PRESIDENT CARTER'S proposals for "insuring" wages against inflation have opened up divisions among U.S. trade unions, but have not enhanced the prospects of success for his wage restraint policy.

The U.S. inflation rate was highlighted last Friday by January's producer price index, which showed an annual rate of gain of 15.6 per cent, and there are indications that the Administration is aware that it may have to consider relaxing the 7 per cent limit on wages and benefits which is the cornerstone of the policy.

There is a growing sense in Washington that the inflation statistics expected over the next few months will make it extremely difficult for major unions to settle within the

present guidelines. Mr. Ray Marshall, the Labour Secretary, hinted recently that further flexibility might be needed if the policy was to win union backing.

This is the consensus in the trucking industry, whose negotiations have begun talks with the International Brotherhood of Teamsters on a three-year contract to run from the end of March. The Administration badly needs a Teamsters' settlement which could be presented as aiding the battle against inflation, but there seems to be little prospect of an agreement on the basis of 7 per cent.

The outlook for the guidelines become gloomier on publication of a letter from Mr. Frank Fitzsimmons, the Teamsters' president, in Congressional leaders. Mr. Fitzsimmons urged support

for Mr. Carter's "innovative" wage insurance proposal, but cautioned that this approach "should not be construed as an endorsement of the President's present wage guidelines programme."

The wage insurance plan, which would cost an estimated \$2.5bn in fiscal 1980, would allow tax concessions to workers who settle for 7 per cent, if inflation is at a higher rate. The first \$20,000 of pay would be insured against inflation of up to 10 per cent, with the maximum entitlement from the programme fixed at \$600 a person.

The Administration says the programme would cut the growth in consumer prices by 0.5 per cent a year, but critics have said its contribution to reducing inflation would be far less.

## Taiwan plans 'embassy'

BY DAVID BUCHAN IN WASHINGTON

TAIWAN has dropped its demands that future relations with the U.S. should have an official Government-to-Government character, despite the break in diplomatic ties.

U.S. officials report that it has agreed to set up a surrogate embassy in the U.S. to be called the "co-ordinating Council for North American Affairs," thus reciprocating the Administration's intention of establishing an "American Institute" in Taipei to continue an economic and cultural relationship.

Congressional critics of President Carter's policy on China have argued that replacing the U.S. Embassy in Taipei with an "institute" is a distinction without a difference, in that the Institute will be paid for by the U.S. Government and staffed by retired Foreign Service officers.

But it is a distinction which Mr. Carter wants to preserve as the basis for his normalisation of relations with Peking.

Taiwan's apparent concession now makes it easier for the Administration to defeat any congressional attempt at restoring an official political character to U.S.-Taiwan relations. Nonetheless, it seems inevitable that Congress will add a rider to legislation approving the American Institute in Taipei which would express U.S. concern for the security of Taiwan.

Mr. Carter at his Monday Press conference, made it clear he would veto any move by Congress "that would contradict the commitments we have made to the Government of China." In particular, he warned against any attempt to restore the defence relationship between the U.S. and Taiwan.



POPE John Paul II (above), yesterday gave his full backing to Latin American bishops at the Puebla conference, who issued a statement denouncing the brutal oppression and scandalous injustices perpetrated by military regimes in the continent.

## Treasury could seek extra funds

BY STEWART FLEMING IN NEW YORK

ECONOMISTS WHO follow the U.S. Treasury's monetary requirements are expecting some concern that redemptions of U.S. Treasury securities held by foreign central banks could force the Treasury to increase its demand for funds in the bond markets this quarter.

They caution, however, that firm official purchases and sales of U.S. securities can be very volatile because they are linked to the performance of the dol-

lar, and recent movements could be quickly reversed. According to Donaldson Lufkin and Jenrette Securities, foreign central banks redeemed an estimated \$1.6bn of non-marketable U.S. Treasury securities in the first four business days of February. This has reduced foreign official holdings from around \$27bn, to nearer \$25.5bn, the investment firm estimates.

If the movement is not reversed by purchases of marketable or non-marketable Treasury securities, the Treasury might have to increase the total amount of new finance it is expecting to raise in the bond market in the rest of the current financial quarter, it is suggested. The Treasury has estimated this figure at about \$9bn.

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## WORLD TRADE NEWS

## U.S. attempts to speed up Geneva trade negotiations

BY BRIJ KHINDARIA IN GENEVA

THE UNITED STATES and the European Community have reached major understandings on the politically sensitive question of industrial tariff cuts, raising U.S. hopes that it will be able to wrap up the entire Tokyo Round package by mid-April.

U.S. Trade representative Mr. Alonzo McDonald reflected this understanding in a statement on his return here from the U.S. when he said that "by our calculations the Tokyo Round will have to be signed, sealed and ready for approval" by mid-April.

As far as the United States is concerned, after February 24 our focus will shift almost exclusively to the domestic implementation process," he added, referring to the planned agreement's passage through Congress.

February 24 is the date when Mr. McDonald must return to the U.S. to continue lobbying for the Tokyo Round package to persuade various industrial and farming lobbies, as well as Congress, that it is a satisfactory deal.

Diplomatic sources said here the U.S.-EEC understanding concerns industrial tariff reductions to be operated under the Tokyo Round accords, including those in controversial sectors such as chemicals.

The understandings are now being reviewed by Washington and the EEC's executive Commission in Brussels.

EEC delegation sources, however, painted a less optimistic picture. They said key industrial tariff questions were still open but did not rule out the possibility of accord before March 13, when the community's council of ministers meets in Brussels to review developments in the Tokyo Round.

They said the apparent mid-April deadline set by the U.S. was a laudable if not realistic one. In his statement Mr. McDonald explained that the mid-April date was chosen partly for reasons of domestic politics because it would allow enough time for consideration by Congress before it recesses in October.

In addition to problems concerning industrial tariffs, important differences remain to be settled between the U.S. and the EEC on agricultural trade. The continuing failure of a separate conference to conclude a new international arrangement for wheat has not made matters any easier.

## EEC imposes levy on Spanish steel

BY GILES MERRITT IN BRUSSELS

THE EUROPEAN Commission has launched a formal investigation into complaints of Spanish steel being dumped in EEC markets.

Until the Commission probe is completed, sales to the Community of certain types of steel beams by Spanish steelmakers will be subject to a provisional anti-dumping levy, amounting to the difference between the Spanish prices and the EEC base prices.

The Commission's move is likely to have political overtones, for it follows closely on last week's formal opening of negotiations with Madrid on Spain's accession to the EEC. But the complaint by Belgian steel manufacturers that triggered the Commission's anti-dumping procedures made a strong case against Spanish penetration of the Community market in recent years.

According to the European Commission, Spain now supplies more than half of all imports into the Nine of U beams, I beams and H beams. In 1974 it sold only 32,000 tonnes of these to the EEC, on a total of 347,000 tonnes of the beams supplied by third countries.

In 1977 that total had risen to 517,000 tonnes, while the Spanish share consisted of 259,000 tonnes. Spain's share of total EEC consumption of the beams had thus increased to 5.1 per cent.

Although the Commission has not cited the price levels that have given rise to Belgian complaints of dumping, spokesmen yesterday made it clear that the Spanish case was being examined in the light of the Community's own anti-crisis plan for maintaining prices and restricting production.

## Japanese optimism on joint Iran venture

By Richard Hansen in Tokyo

THE JAPANESE are beginning to feel more optimistic about the future of their huge joint venture Iranian petrochemical project in Bandar Shahpur. Until the new Iranian Government installed itself, there were fears here that the nearly completed complex would have to be mothballed.

The Japanese partners in the Iran-Japan Petrochemical Company, led by Mitsui, have received conflicting reports on the new Government's view of the Y650bn (£1.6bn) project, and will dispatch officials to Tehran as soon as feasible to determine its status.

But it is now apparent that despite the violent turmoil of the past two months in Iran, work at the isolated complex site continued virtually without disruption.

Construction is about 85-90 per cent completed, compared with 75 per cent in September, and is now expected to be finished by this autumn.

About 3,500 Japanese were employed on the project, but this has been reduced to about 2,500 with 600 finishing up their jobs during January. Another 1,000 will return this month as transportation becomes available.

## Nippon to advise on construction of Algerian project

BY CHARLES SMITH, FAR EAST EDITOR, IN TOKYO

NIPPON STEEL, the largest Japanese steel manufacturer, has entered into a 10-year technical assistance agreement with the Algerian State-owned steel manufacturer, Societe Nationale de Siderurgie (SNS). The Japanese company will give advice on the construction of a 10m ton integrated steel plant.

The agreement, signed in Algiers, provides for SNS to pay \$19m (£3.1m) to Nippon Steel over the next three years for various design and advisory services.

Work on the plant, to be built at La Macta on the western end of Algeria's Mediterranean coast, will begin after the initial three-year period and involves further consultancy payments.

Nippon Steel has been advising SNS on various aspects of its expansion plan since 1973 when it helped choose a site for the proposed plant.

It drew up a plan for the first phase of construction of the plant in 1978 and carried a study of the second stage last year. Nippon Steel also provided general technical assistance to the management of an existing SNS plant at El Hadjar.

The Japanese will be required to station technical experts in Algeria over long periods in order to fulfil its side of the technical consultation agreement.

In addition to advising SNS on new construction projects, Nippon Steel will act as a consultant for the selection of iron ore and coking coal.

## Offshore LNG transfer deal

BY ADRIAN DICKS IN BONN

SALZGITTER, the West German Government-owned steel and engineering group, is co-operating with the U.S. industrial conglomerate FMC on development of a system for offshore transfer of liquefied gases.

The two companies are spending some DM 5.5m (\$1.48m) on development costs up to the end of next year, and by 1981-82 expect to have brought the technique to the point where it can be marketed.

to offshore oil and gas operators.

The project is intended to make possible exploitation of smaller gas fields, for which the cost of laying a sea-bed pipeline to dry land would be too high. It aims to perfect a technique of piping very low temperature liquids, such as liquid natural gas (LNG) or liquid petroleum gas (LPG), from production platforms to tankers in weather conditions with waves up to 20 metres high.

FMC is concentrating on the

pipe work and instrumentation, while Salzgitter will develop the hydraulic loading arms. Computer control will be used to help avoid both collision with a moving tanker and the placing of excessive strains on the super-cooled piping.

## Brazilian deficit soars

BY DIANA SMITH IN RIO DE JANEIRO

BRAZIL'S 1978 trade deficit reached \$988m with imports of \$13.639bn and exports of \$12.651bn. In 1977, a \$139m surplus was achieved.

Semi-manufactured and manufactured exports rose by 41.6 per cent in volume and 32.7 per cent in value, and accounted for over 51 per cent of all exports.

Meanwhile, a 14 per cent loss in agricultural exports and 15.4 per cent rise in agricultural imports to \$41m made it impossible for Brazil to balance its trade last year, still less to achieve the \$500m surplus it hoped for.

## Chinese exports expected to slow

BY DAVID LASCELLES IN NEW YORK

CHINA'S IMPORTS from the West over the 1978-85 period could total between \$123bn and \$203bn according to projections prepared by the Bureau of East-West Trade of the U.S. Department of Commerce. But, the Bureau says that economic constraints and China's borrowing policies point to more realistic forecasts of \$123bn to \$136bn.

If so, China's debt to the West would rise from \$1bn in 1978 to \$21bn-\$27bn by 1985.

The bureau's report says that although China's exports rose by 25 per cent last year, this is exceptional, and long-term growth is likely to be much lower. The report plumps for the 10-15 per cent range because of the constraints of home demand for food and other products. Low productivity, and Western protectionism affecting traditional Chinese exports like textiles.

Among China's best assets, oil reserves are estimated to be about three times those of the U.S., but the country's modernisation programme will boost domestic demand and hinder export growth. Also, the heavy wax content of Chinese

oil make it less attractive, while Chinese facilities to remove the wax will not be ready until the mid-1980s.

China will also have large invisible earnings, mainly from tourism, activities in Hong Kong, remittances from Chinese living abroad, and shipping.

The bureau bases its forecasts on assumptions that a 10 per cent annual growth in Chinese real exports is a plausible target for 1979-85, and that 12.5 per cent is the maximum sustainable over a long period. Imports, on the other hand, must grow at a minimum 15 per cent a year if the projected growth in the economy is to be achieved.

The bureau expects, though, that imports will surge over the next two years, and then taper off towards 1985 because of the timing of the capital programme.

The actual outcome will depend on China's export performance, the willingness of the West to lend and China's willingness to go into debt, and how fast China can absorb imported technology.

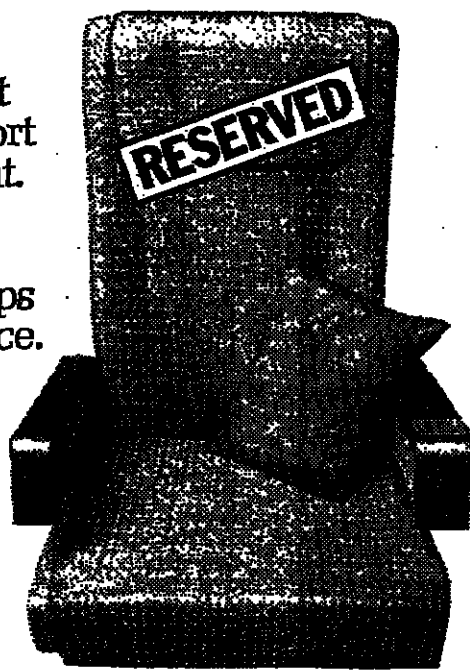
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## INTEREST RATES

The Royal Bank of Scotland Limited announces that with effect from 14th February 1979 its Base Rate for lending is being increased from 12½% per annum to 13½% per annum.

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## UK NEWS

## BRS gives warning of 33% price rise

BY LYNTON MCLAIN AND NICK GARNETT

THE STATE-OWNED British Road Services warned yesterday that haulage rates will have to rise by a third by the end of the year as a result of the recent 22 per cent pay settlement for private haulage drivers—and BRS forecast 15 per cent inflation by next year.

Mr. David White, group managing director of BRS, said the Price Commission had already been told about a proposed 20 per cent rise in BRS general haulage rates.

He also said further substantial rises in haulage rates were inevitable later this year, Mr. White said.

The Road Haulage Association has already said private sector haulage rates will have to rise by at least 20 per cent.

Fair wages claims of more than 20 per cent have been submitted to the Central Arbitration Committee on behalf of 27,000 drivers and ancillary staff employed by the National Freight Corporation, which owns BRS.

The claims, made under Schedule 11 of the Employment Protection Act and due to be heard early next week follow average settlements of 22 per cent won by private haulage drivers following the recent series of regional strikes.

One of the claims covers 15,000 drivers, fitters and loaders working for BRS, Roadline, Pickfords and related companies.

This has been submitted by the Transport and General Workers' Union, together with the United Road Transport Union and some craft unions.

The National Union of Railwaymen has submitted a similar claim for its 9,000 members working for National Carriers.

Last year NFC drivers won a 5 per cent fair wages claim—on top of a 10 per cent deal—to bring them in line with private haulage drivers who settled for 15 per cent.

The latest pay rise, if accepted, would add to the 15 per cent operating costs of BRS, but the group said it also had to take account of last year's wage settlement and the expected rise in fuel costs.

But the 20 per cent rise in rates would not possibly see the company through the rest of the year, Mr. White said. He forecast further price rises for fuel, the prospect of a rise in the road fund tax for heavy lorries in the Budget, and a general rise in inflation by next year.

The total rise of up to 33 per cent suggested by BRS is a very realistic target, the RHA said last night. Further rises in the private sector could not be ruled out.

The BRS group made a net profit of £2.4m after interest charges on a turnover of £126m compared with £2.2m on a turnover of £110m in 1977. More than £12m was invested in new equipment last year and the group expects to invest a further £14m this year. The trading profit of £8.8m last year compared with £6.8m in 1977.

## 'Calendar' on pay mooted by CBI

By John Elliott, Industrial Editor

A NEW attempt to reform Britain's wage-bargaining system and to encourage lower settlements without a formal pay policy was started yesterday by the Confederation of British Industry.

The plan includes the creation of a national economic forum and the rearrangement of pay settlement dates in the private and public sectors. The confederation seeks to design a voluntary incomes policy without upsetting many of its member companies, which vigorously oppose pay limits and overtones of the "corporate state".

One of its priorities is to strengthen employers in pay bargaining. The plan covers picketing and other legal changes. Mr. John Greenborough, CBI president, stressed the need for them when he addressed European Parliament MPs in Luxembourg yesterday.

The biggest challenge now facing Britain is correcting the imbalance of power in the nation's industrial relations, he declared. "We in Britain are now talking openly about the way strikes are financed, about picketing, about the way closed shops operate, and the desirability of secret ballots."

Some ideas in the pay plan resemble those discussed by the Government and TUC. They include merging review bodies covering pay levels and anomalies, and differentiating in the public sector between trading businesses, such as the National Coal Board, and non-trading services, like local government.

But the CBI opposed a "tripartite carve-up" of what the nation can afford. Sir John Methven, CBI director-general, said yesterday.

"The economic forum should have a very wide membership, including, for example, the Government, other political parties, unions, trade and industry, consumer groups and academics," he said. But the CBI would be prepared to discuss other ideas, such as the TUC's proposed forum with the Government.

Forum debates would provide the centrepiece for the CBI's proposed new "bargaining calendar," which would concentrate most pay bargaining in the winter and early spring.

The forum, which could take the form of a Parliamentary select committee, would be public and take evidence from both sides of industry and other interested parties. Its prime function would be to influence wage expectations. It could be formed by expanding the National Development Council, or it could be separate from the council but serviced by the National Economic Development Office.

The CBI envisages the following "bargaining calendar":

- May/June: Economic forum takes evidence after the Budget and experience of the previous pay round.
- July/August: Publication of annual economic review.
- Possible Green Paper, Parliamentary debate.
- September/October: CBI, TUC and party conferences consider the review.
- November/December: Main bargaining begins, with first settlements operating from November 1. Government decides cash limits for public sector and outlines links between pay developments and the next Budget.
- February: Budget representation by CBI, TUC and others as at present.
- March: Tax-dependent public services bargain. April settlement date to coincide with start of financial year.
- April: Budget, taking full account of pay developments.
- May: Work on next annual review begins.

## British steel outlook gloomy

BY ROY HODSON

THE MOST optimistic thing the National Economic Development Council iron and steel sector working party can say about the future for the industry in Britain is that by 1985 demand for steel may have regained 1973 levels.

This year's report by the working party, published today, is nearly all respects gloomier than a year ago about iron and steel prospects.

The British industry is failing to derive much benefit from rising world demand for steel. The working party points out that production of iron and steel in Britain has fallen to 25 per cent below the levels reached in 1970. Capacity utilisation of steel plant is, on average, below 70 per cent. The labour force has fallen by 17,000 in the past year.

The British Steel Corporation is losing heavily (up to an estimated £350m in the current financial year). Some private companies are reported to be barely profitable.

The working party sees both the public and private sectors of British steelmaking surrounded by problems. Demand for steel from British manufacturing industry continues to be low and the working party believes that growth prospects are uncertain.

A rising share of the British home market has been taken by indirect and direct steel imports in recent years. British steelmakers' share of the home market fell to below 60 per cent in 1978 for the first time.

There is considerable excess production capacity in many iron and steel products and profit expectations are poor.

Some parts of the industry are reported by the working party to be suffering from problems over delivery performance and reliability of products. There are delays in the construction and commissioning of most new plant, says the working party.

Other problems facing the industry are overmanning in some plants, and the growing competition being faced in the Third World steel markets from new steel plants in Asia, the Middle East, Africa, and South America.

The EEC anti-crisis measures (the Davignon Plan) introduced to help the steel industry of Europe are seen as having had only a partial success so far.

But the situation would have been worse without the anti-crisis measures, says the working party—made up of steelmakers, the steel unions and civil servants.

Some European steelmakers are criticised for failing to support the plan completely, so that at times it has seemed ineffective. The working party says: "The failure of some European steel companies to

industrial strategy in increasing the volume of Britain's manufacturing output—both by increasing exports and by reducing the share of the home market taken by imports.

Last year the level of cars imported into Britain was equivalent to more than 1m tonnes of steel.

Certain British industrial sectors are giving the steel working party cause for

concern about the future. They are: motor cars, mechanical engineering, shipbuilding, and the construction industry. The poor outlook for those industries in the short-term leads the working party to conclude that there will be only a relatively modest growth in British steel demand during the next two years.

Looking into the 1980s, however, the range of possible levels of steel demand is seen to be much greater. By 1985, if the industrial strategy is successful in raising the rate of growth to more than 3 per cent a year, a total British demand of about 17.5m tonnes is forecast.

The working party reports that there has been a significant improvement in the commercial performance of the British steel industry. The continuing high level of steel imports is said to be mainly because of low prices now. "If price controls can be restored to the market place the investments made in new major iron and steel making facilities, quality control, and inspection equipment, give grounds for optimism."

However, the working party continues to be concerned at the high level of penetration of the British market by certain types of steel—strip, heavy plate, and special steels. Both the private and public sectors of British steelmaking are urged by the working party to start discussions to assess how much of the existing British steelmaking capacity will be needed in the mid-1980s to satisfy the demand of the market by then. The working party asks that the steel industry's customers should be included in talks.

It welcomes the setting up of a joint planning committee by the British Steel Corporation and the unions and suggests that the private sector steel companies should join with the unions in a similar exercise.

Progress Report 1979. The iron and steel sector working party of the National Economic Development Council. Available free from NEDO Books, 1 Steel House, Tothill Street, London SW1.

Working party objectives for the steel industry.			
Actual 1977	1980 objectives	Revised 1980	1980 objectives
30	25-27	25-27	25-27
30	21-23	21-23	21-23

Home market share (percentage) Exports as a percentage of total sales

honour the spirit of the Davignon Plan by continuing to sell into the United Kingdom at very low prices has led to the rise in imports.

The working party warns that the British steel trade balance could deteriorate this year. In 1977 Britain imported 3.7m tonnes of steel products, worth £805m. Exports improved to 4.3m tonnes of products, worth £862m. The position worsened during last year as imports rose to take more than 20 per cent of the market. The situation is worrying in the view of the working party.

The future level of output of the British steel industry is seen to largely depend on the success of the Government's

concern about the future. They are: motor cars, mechanical engineering, shipbuilding, and the construction industry. The poor outlook for those industries in the short-term leads the working party to conclude that there will be only a relatively modest growth in British steel demand during the next two years.

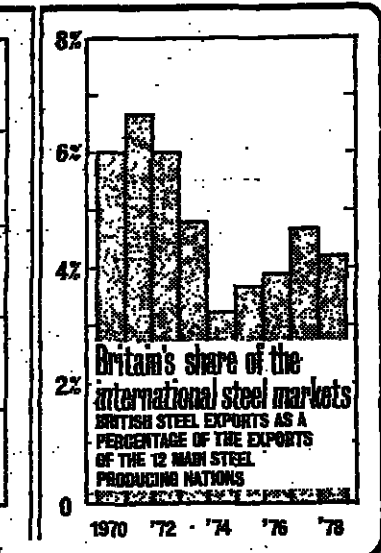
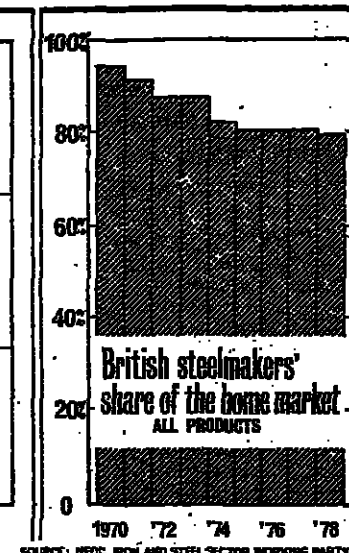
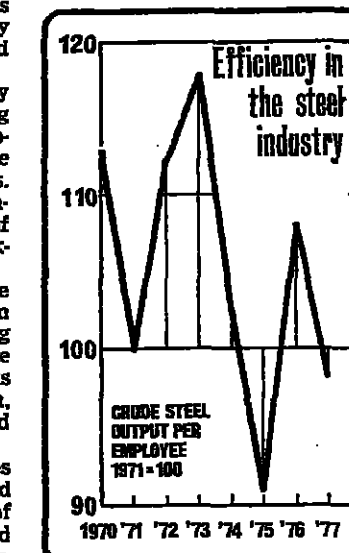
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## Scottish knitwear company collapses

By Ray Ferman, Scottish Correspondent

THE SCOTCH Development Agency is likely to lose £45,000 which it invested in Thistle Knitwear. The company yesterday went into receivership at the request of its directors.

It is the fourth company to collapse out of more than 30 in which the agency has invested, and brings the agency's total net losses to about £700,000 since 1975 when it was set up.

However, this should be judged against total investment so far of £18m, and the fact that a number of agency investments are proving highly profitable.

In the last financial year, agency subsidiaries made a total operating profit of £968,000. The agency also profitably sold its stake in several companies.

Thistle Knitwear was set up in 1976 when the agency, the Scottish Economic Planning Department, and the Bank of Scotland helped the company to buy a knitwear factory in Shotts, near Glasgow.

A year later, the agency provided a loan of £20,000 to ease cash flow problems, but the company could still not achieve satisfactory levels of production or profitability, in spite of promising operating projections.

Mr. Hugh Jack, industry director, said: "The agency made this investment fully alert to the risk involved in a company which had substantial technical difficulties because of old machinery as well as cash and managerial problems."

## Full measure for stout, but froth to stay

By Our Consumer Affairs Correspondent

DRINKERS OF stout will still be able to enjoy a head or froth on their beer in spite of new Government regulations to ensure that a full measure of drink is served.

Mr. John Fraser, Prices Minister, announced in the Commons yesterday that the Government would delay the compulsory introduction of specially marked glasses—showing a full measure—for stout until after further talks with the industry.

His announcement followed the claim from Mr. Michael Sherry, Conservative MP for Uxbridge, that "draught stout—such as Guinness—without a head is totally unacceptable to drinkers." He said that people "demand and expect a head of at least half an inch."

The Government has introduced a short Weights and Measures Bill to ensure that consumers are served a full measure of beer, not including the head.

## Press freedom under attack, says editor

FINANCIAL TIMES REPORTER

THE FREEDOM of the British Press has deteriorated in the past four years and is under increasing attack, Mr. Harold Evans, editor of the Sunday Times, said last night.

Mr. Evans told the Worshipful Company of Stationers and Newspaper Makers that it would now be an exaggeration to say, as he did in 1974, that the British Press was half-free by U.S. standards.

He said: "There is no single cause for this deterioration; and no single solution. It is the result of individual decisions and of inertia, of acts and attitudes in law, government, public life and the press."

Mr. Evans described court decisions relating to privilege and libel which he said were constraining influences on the Press and he attacked the recent decision of the National Union of Journalists to try to block news outlets as part of its industrial dispute.

"It is one thing to withdraw one's labour. It is another to conspire with the jacks in office for the blocking of news," Mr. Evans said. NUJ press officers had been ordered to hinder newspaper inquiries by refusing inquiries from editors and non-striking journalists, and councillors and other unions were asked to help by preventing

news from getting out. Mr. Evans said: "This is a mockery of years of valiant effort by journalists and by the NUJ and the Institute of Journalists against secretive public authorities."

Mr. Evans ridiculed the recent suggestion by Mr. Anthony Wedgwood Benn, Energy Secretary, that Times Newspapers should be taken over by the BBC as a way of re-opening the paper.

Mr. Benn's statement that the Times management wanted to "impose new technology by force" was simply untrue, he said.

"What the management proposes is a phased introduction of a programme announced in 1978, with guaranteed employment for everyone who wants it."

The disputed question of whether journalists as well as print union members should be allowed access to the computer typesetting terminals went far beyond economics.

The terminals, with television screens and access to the computer files would give journalists essential tools for their trade, Mr. Evans said. The facilities offered would extend far beyond what was needed for repetitive typing which was the province of the printers.

## Safety Executive against Flixborough butane plan

BY SUE CAMERON, CHEMICALS CORRESPONDENT

THE HEALTH and Safety Executive has come out against a proposal to build three 400-ton butane storage tanks on the Nyrpo (UK) chemicals site at Flixborough in Humberside—scene of an explosion in 1974, when 28 people died.

The executive's major hazards risk appraisal group has told Glanford Council—the planning authority—that the building of the storage tanks "should not be permitted."

The group says in its report that although the possibility of an accident is remote it cannot be "entirely dismissed."

The group fears that a fractured process pipe or a "catastrophic failure of one of the tanks" could lead to the escape of a cloud of inflammable butane—liquid petroleum gas—which might then ignite. If this happened the resulting blast could cause "severe damage" to people living in the villages of Amcotts and Flixborough, within a mile of the site.

The group's report says those working on the site itself, including 70 people in a multi-storey office block, could be hurt.

Glanford Council can ignore the executive's recommendations but few planning authorities would normally take this step. Planning authorities ask the

Health and Safety Executive for advice on a voluntary basis but the Health and Safety Commission wants it made compulsory.

Nyrpo, jointly owned by the Dutch-based DSM and by the National Coal Board, rebuilt its Flixborough plant after the 1974 disaster. The new plant, which is due to come on stream in March or April this year, will produce caprolactam—used in the making of synthetic fibres—but a different process will be employed to that used in the old plant.

Nyrpo said yesterday that it had not yet officially received the Health and Safety Executive report but it claimed that the decision of the group would not present any immediate problems.

The chemical company said it had an agreement with the British Gas Corporation to supply butane to be supplied to the Flixborough plant by underground pipeline. It would, therefore, be using natural gas as a feedstock.

Nyrpo added that difficulties in the negotiations with British Gas had made it seem likely, at one point, that there would be no alternative to the use of butane but this was no longer the case.

The company said it had not withdrawn its planning application for the storage tanks because it was anxious to keep its options open.

**£1m extension**  
PRINCESS ANNE yesterday opened the £1m passenger terminal extension at Felixstowe, Suffolk, which will house Townsend Thoresen's Zebrugge ferry service.

## Mechanical handling review

BY HAZEL DUFFY, INDUSTRIAL CORRESPONDENT

THE DEPARTMENT of Industry is to assess industry's requirements of mechanical handling equipment over the next five to 10 years.

The survey will be carried out on behalf of the sector working party for the mechanical handling industry and will form an important part of its programme within the industrial strategy.

Discussions will be held with users and manufacturers of equipment to establish the need for product research and development.

Future operational requirements, materials, control technology, reliability and maintenance, marketing, system integration, and customer advisory services will be examined. The survey will also assess the

effects on mechanical handling if the requirements of industry are not met.

Sectors to be surveyed include conveyors, cranes and transporters, lifts and escalators, lifting and winding devices, industrial trucks and trailers. The survey is being commissioned by the Mechanical Engineering and Machine Tools Requirements Board.

## Factory robots project starts

BY OUR INDUSTRIAL CORRESPONDENT

THE NATIONAL Engineering Laboratory is to carry out an 18-month research programme into the development of robots as part of the Government's programme to increase industry's use of automation techniques.

The laboratory's present research into the use of robots in arc welding will be extended to the general development of techniques, standards and applications of robot devices. The programme will be carried out by the Committee for Automated Small Batch Production, which is considering ways to

introduce automation into production lines.

The main work will concern interface and performance standards, though research will be aimed also at enhancing the abilities of robots. The use of micro-processors and multi-processor configurations will also be considered.

## Work normally, teachers told

BY MICHAEL DIXON, EDUCATION CORRESPONDENT

TEACHERS who withdraw their labour in sympathy with the strike by the National Union of Public Employees will not be supported by the National

Union of Teachers. This was made clear by Mr. Fred Jarvis, general secretary of the NUT, speaking on BBC Radio's World at One programme yesterday.

He said teachers should work normally even if their local education authority opened schools and used volunteer or contract workers to heat and clean them.

## Foster watercolours in demand at Sotheby's

THE WORK of Myles Burke Foster was in demand yesterday at Sotheby's second Belgian sale devoted to Victorian watercolours.

His The Footpath by the Waterlans sold for £5,000 (plus the 10 per cent buyer's premium) to Frost and Reed. Unicorn paid £1,900 for his Young Hay Gatherers. The Pet

fish dress set of the 1880s realised £1,400. A uniform of the Norfolk Artillery Volunteers of around 1880 fetched £900.

At the Christie's glass and paperweights sale, which totalled £46,938, a Baccarat snake weight fetched £1,300, while a St. Louis miniature crown weight fetched £950. The same price secured a Baccarat carpet ground patterned millefiori weight. A "face-de-Vierge" Dutch 17th Century winged goblet sold for £900. At Christie's, South Kensington, eight babies bonnets of around 1800, estimated at £30-£40, were bought for £290.

Such action would probably increase militancy by NUT members in other areas, and have the longer-term effect of making it difficult to return to normal working relations when the strike ended.

Mr. Jarvis said that he was pressing NUT members in Newham to allow children sitting examinations to return from the church halls where they are receiving emergency lessons, and be taught in schools with proper access to textbooks and science laboratories.

## SALEROOM

BY ANTONY THORNCROFT

Magpie, by the same artist, realised £1,700, as did A. Croft's Cottage.

In a Hayfield, by William Coleman, sold for £1,700. At Sotheby's in Bond Street a very good price of £3,600 was paid for an early Worcester mug of 1753, only 3½ inches high. A rare Worcester table dish of the fox and the wolf, painted by Jeffries O'Neale around 1770, fetched £2,800 and a late 17th Century Salt, £2,700.

Among the arms and armour an Irish dealer bought a pair of the silver mounted pistols of 1778 for £2,700, while a Scot-

## 'Allow for material prices' plea

By Our Consumer Affairs Correspondent

THE Price Commission was urged last night to allow for the increased cost of raw materials when considering price applications.

Mr. Cyril Coffin, director-general of the Food Manufacturers' Federation, warned that the industry would face chaos if the Commission did not automatically pass on raw material cost increases.

"Food manufacturers' profitability at 4 per cent will simply not cover such increases. The price of processed foods in the shops has become a shuttlecock battered around by politicians, Eurocrats, consumer organisations, the agriculture lobby, and supermarket chains oblivious to the dangers to food processors."

Mr. Coffin's comments follow the Federation's campaign for the amendment to the Government's removal of the safeguard clauses from its price control Bill removing the safeguards became law on Monday, but the Government was forced to concede that the Commission should consider carefully raw material cost increases.

The Price Commission met yesterday to consider the implications of the scrapped safeguard regulations. The meeting is understood to have considered price rise applications from a number of major brewers and petrol companies.

The Commission normally announces any decision to freeze these price increases after the Stock Exchange closes on a Friday afternoon.

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# "I resign."

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## UK NEWS

## Uranium plant capacity to double

By David Fishlock, Science Editor

BRITISH NUCLEAR FUELS is to double the capacity of the new uranium enrichment factory at Capenhurst, Cheshire, the Government confirmed yesterday.

The gas centrifuge plant is to be expanded to 400 tonnes capacity by the end of 1982, subject to final planning approval.

Mr. Anthony Wedgwood Benn, Secretary for Energy, told the Commons yesterday that Britain, West Germany and Holland had agreed that Urenco, the tripartite enrichment company, would build up capacity to 600 tonnes at Almelo in Holland and 400 tonnes at Capenhurst.

Agreement has also been given to the creation of a third Urenco company, Urenco (Deutschland) and the construction of a centrifuge assembly plant and subsequently an enrichment plant at Gronau in the Federal Republic of Germany, he said.

Governments would be consulted before work on the Gronau plant began, and on any subsequent extension of capacity at Urenco plants.

## Jetsave in £25m air deal

JETSAVE, the low-fare transatlantic holiday operator, has signed a £25m contract with CP Air, part of the Canadian Pacific Group, for CP to provide Boeing 747s, DC-10s and DC-8s for flights between the UK and Canada in 1980 and 1981.

This is an extension of Jetsave's existing contract with CP Air, and will enable the UK company to continue to offer cheap flights between Gatwick, Manchester, Prestwick, Cardiff, Birmingham and Newcastle direct to Toronto, Vancouver and Montreal.

It follows a three-year contract, worth about £30m, signed recently between Jetsave and World Airways of the U.S., and brings to £55m (more than \$10m), the Jetsave commitments for aircraft charters on the transatlantic routes.

Mr. Reg Pycroft, chairman and managing director of Jetsave, said yesterday he expected to see "an enormous boom in transatlantic holidays in the next three years."

This year, Jetsave expects to carry 225,000 passengers across the Atlantic, with fares from as low as £47.50 each way (£85 return), and all-in package holidays for as little as £175 for a week in New York.

Bookings are up 50 per cent on 1978, and Jetsave is predicting a boom year, with operating profits exceeding £2m.

## China mission to assess student needs

NINE BRITISH academics start a three-week visit to China on Thursday to assess the needs of Chinese students who are to study in UK universities and polytechnics. The visit follows arrangements made by Mrs. Shirley Williams, Secretary for Education and Science, when she visited Peking last summer.

## Building societies' receipts reach £289m

BY MICHAEL CASSELL

JANUARY WAS a "reasonable" month for building societies with net receipts reaching £289m.

Figures from the Building Societies Association showed that the volume of new money received during the first month of 1979 reached its highest point since last October. Mortgage lending, however, fell to the lowest level for nearly a year.

January is a traditionally good month for savings and in the same month a year earlier net receipts were £100m higher. The societies report that the first two weeks of February have been quite encouraging, but even so they are falling to attract the level of money required to finance their present lending programme of £700m a month.

They estimate that net monthly receipts of about £300m, together with money made available to them from mortgage repayments, is required to support present lending. In the absence of such

an inflow, they are being forced to reduce further their liquid funds.

Last week, the societies decided not to increase their interest rates in the wake of the large rise in Minimum Lending Rate, and whether they decide on higher rates in March will depend to a large extent on the level of funds attracted over the next few weeks.

## Premium

In a move designed to help societies attract a greater proportion of longer-term money—now a major talking point within the movement—the societies have recommended the payment of a maximum 11 per cent premium over ordinary share rate on any four-year terms shares issued. This provides a base rate of 91 per cent, equivalent to 14.1 per cent to basic rate taxpayers. To date, societies have recommended a 1 per cent differential on three-year money.

The association said yesterday

that a total of £649m was lent to home buyers in January, the smallest advance figure since February 1978. At one stage last year, lending reached £800m in one month.

During January, the societies promised an additional £702m to mortgage applicants, £54m more than in December, but £26m down on January 1978. At the end of January, societies were committed to lend £1,770m.

Mr. Ralph Stow, chairman of the association, said building society lending had been "remarkably consistent" in spite of the wide fluctuations in interest rates and this situation was now expected to continue.

He claimed that the use of the phrase "mortgage famine" by housebuilders was "totally misleading" and produced figures to show that quarterly lending levels by societies were showing little deviation. In the first three months of 1979, he said, societies had estimated mortgage commitments of £2,160m against £2,150m and £2,210m in the previous two quarters.

## Stockbroker optimistic on future of economy

By Peter Riddell, Economics Correspondent

A CAUTIOUSLY optimistic view of the British economy over the next few years has been expressed by Moore Govett, the City stockbroker.

The brokers argue that Britain's chances of accelerating economic activity over the next few years are still intact. This is after taking account of upward pressures on public sector borrowing, a likely slowdown in the growth of output and a squeeze on companies.

Having said this, we feel we can maintain a degree of optimism for the medium and longer term. We have no doubt that the maintenance of orthodox policies by the authorities will ultimately moderate the pace of wage settlements—albeit at the cost of rising unemployment—and that this will feed back into more modest price increases.

The brokers add that "although they anticipate a return to double digit inflation in the summer, the final quarter of 1979 may very well see conditions becoming more stable again."

"Meanwhile, the prospects for the balance of payments are excellent, while the outlook for productive capital spending is still very satisfactory."

In the short-term, Moore Govett projects an increase in real Gross Domestic Product of 2.6 per cent in 1979 compared with last year. About two-fifths of the rise would come from increased production of North Sea oil and gas. The same source accounted for about one-fifth of the 3.4 per cent rise in GDP in 1978.

The current account of the balance of payments is projected to be in surplus by £1.15bn in 1979, compared with a surplus of £107m last year.

On present policies, public sector borrowing in 1979-80 may rise to £9.8bn, compared with £7.8bn in the current financial year.

## Government rail grant for transport company

BY JAN HARGREAVES, TRANSPORT CORRESPONDENT

A SMALL Southampton-based transport company has become the first to benefit from a Government grant to encourage the transfer of traffic from road to rail.

H. Young Transport, which owns 45 vehicles, will receive £100,000, which is half the cost of developing rail terminal facilities in Southampton and Gillingham, Ayrshire, for handling the company's business.

Mr. Hamilton Young, managing director, said he had decided to withdraw the existing lorry service because in the long term rising fuel costs would make rail trucking cheaper and because of new EEC limitations on driving hours.

Under the terms of the EEC rules, the lorry driver's day will

be reduced to eight hours by 1981, making a single-day lorry trucking operation between the South Coast and Scotland impossible.

Young Transport has two maximum-weight 40 ft lorries operating the service each day. The company carries about 10,000 tons of general goods a year.

The grant, made under Section 8 of the 1974 Railways Act, is the 63rd to be announced, taking the total financial commitment by the Government to more than £15m.

Most of the previous grants have been to industrial companies rather than transport operators. They are designed to encourage the transfer of freight from road to rail where there are environmental advantages in the transfer.

## UK banks criticised

BY MICHAEL LAFFERTY

THE UNITED NATIONS should make a wide-ranging study of the foreign exchange and Eurocurrency markets says a report on the international banking strategy of the UK clearing banks.

It is critical of a number of aspects of UK banking, but finds no evidence that the UK banks are seeking to exploit developing countries. The report has been prepared for the United Nations Centre on Transnational Corporations in New York by the Centre for Business Research at Manchester Business School.

One of the main points made by the researchers is that the area of international banking is not one where researchers "appear to be heartily welcomed." According to Professor Derek Channon, director of the Manchester centre, the clearing banks were not very cooperative. They just clamoured up when they realised the United Nations was involved, and that the research might be published, he said.

It also says that there is "an unfortunate lack of data" in some areas of UK banking. The most immediate need is said to be for a better analysis of bank lending and loan losses. While

## Disabled quota scheme is under review

BY PAUL TAYLOR

THE GOVERNMENT is reviewing the quota system which requires employers to employ a fixed number of registered disabled people.

The review, which is being handled by the Manpower Services Commission, is due for completion later this year. Employers with staffs of more than 20 are obliged under the Disabled Persons (Employment) Act 1944 to employ a 3 per cent quota of registered disabled people.

In December it was estimated that even if the full 312,000 registered disabled eligible under the scheme found jobs the overall attainable quota

would still be about 2.1 per cent. One of the options facing the Government is to consider reducing the quota.

Within the civil service departments a total of 13,871 registered disabled—about 1.9 per cent of the total number of civil servants—are employed in addition to substantial numbers of non-registered disabled.

There is to be a meeting between Mr. Michael O'Kennedy, the Irish Foreign Minister, and Mr. Roy Mason, the Ulster Secretary in London today.

Ostensibly, the meeting with Mr. Mason, which should have taken place two weeks ago, but which was postponed because of bad weather, is one of a routine number of meetings the Ministers have three or four times a year.

However, in the light of the collapse of Mr. Mason's five-point plan for a non-legislative assembly and the pressure of more seats for Ulster at West-

minster, Mr. O'Kennedy may increase the pressure on Mr. Mason to try to break the political stalemate in the province.

What Mr. O'Kennedy will be seeking is an agreement from Mr. Mason that a start will be made towards setting up "agreed structures" for Northern Ireland.

What the Dublin Government means by agreed structures is that there eventually would be a quadripartite council of Ireland, involving the British and Irish Governments, as well as the two communities, Protestant and

Catholic, in Ulster. The long-term goal of Mr. O'Kennedy's ruling Fianna Fail party is the re-unification of Ireland.

The Civil and Public Services Association and the Society of Civil and Public Servants have instructed their 265,000 civil service members to stage a one-day strike next week followed by a campaign of selective action at key establishments in support of their claim for full implementation of the results of an independent pay comparability study.

Members of the other unions in the staff side of the civil service—National Whitley Council, which represents all 600,000 white-collar civil servants, say that the two unions have acted prematurely in taking action while negotiations

were in progress. Pressure is increasing from the other unions for co-ordinated action by the staff side if there is any discrimination against civil servants over pay which would bring the two big unions back into line.

The Institution of Professional Civil Servants, the third largest union, is instructing its 103,000 members to work normally. Mr. Bill McCall, general secretary, in a circular to the members, said: "That means that members should cross picket lines if any are established."

His union's members are being instructed not to take on the work of those grades taking "militant" action.

## Teachers' pay

The 28 per cent pay claim by the National Association of Teachers in Further and Higher Education, which we reported on Monday, is being made on behalf of teachers in polytechnic and other colleges in the local-authority sector, not university teachers as was suggested by the report's headline.

What is implicit in this is that there will have to be some unlocking of the political stalemate before the violence ceases.

The Provos are making better use of propaganda. The "H" Block campaign, where more than 350 almost exclusively Provos prisoners are refusing to wash or clean their cells, is a case in point. Police and army officers say they detect little sympathy for the campaign in Ulster.

One recent march attracted under 200 people, many of them relatives. It was thought. Yet in the U.S., because of skilful publicity, the "H" Blocks have gone across as a bad human rights abuse by the British authorities even though the prisoners' problems are self-inflicted.

No senior police or army officer meets says that the laws should be changed, or that indefinite detention without trial should be re-introduced.

What they do say is that as the rules are those of a democratic society with all kinds of necessary checks and balances, then in security sense the Provos have been reduced to their minimum.

That is implicit in this is that there will have to be some unlocking of the political stalemate before the violence ceases.

The Provos' organisation is also tighter. The old leak-prone brigades have been broken up and replaced by four-man active

## LABOUR

## Shipyards men defy lay-off instruction

FINANCIAL TIMES REPORTER

MORE THAN 4,000 manual workers at Govan Shipyards and Scotsman Marine Clydebank, yesterday started a work-defying lay-off instruction issued by the management because of a strike by supervisors.

The men, working without pay and not covered by the company's insurance scheme, are hoping to prevent a 13-ship order from Poland, due for completion this year, from falling behind schedule.

On Monday, 250 foremen and under-managers at the yards decided to strike over a pay issue unresolved since 1974. Under the provisions of the Health and Safety at Work Act, the management decided that all manual workers had to be laid off because of the lack of supervision.

Both yards are working on the

Polish order, placed last February, for nine 4,400-ton bulk carriers and four 16,500-ton bulk carriers.

## Commitment

Mr. David Couper, a senior Amalgamated Union of Engineering Workers shop steward at Govan, who was also involved in the work-in during the Upper Clyde shipbuilders dispute seven years ago, said: "We have made a commitment to the Polish order and the British shipbuilding industry and nothing will prevent us from fulfilling that commitment."

"More than 95 per cent of the manual workers decided on Monday to work as normal after the instruction from management. The first ship is still on schedule and we are working as normal today."

"There are no problems of supervision and excellent liaison has been established with the technical staff. We have everything necessary to carry out production."

He said the workers were confident of being paid after the dispute ended.

In 1974 the foremen and under-managers won a 37-hour week but agreed to continue working a 40-hour week after being offered a special payment of £125 a year in lieu of shorter hours. But because of successive Government pay policies, the extra payment has been refused by the Department of Industry.

Last year the matter was referred to the national negotiations in the industry but these have not yet been finalised.

## Public services action looks set to continue

BY PAULINE CLARK, LABOUR STAFF

BRITAIN is still faced with the possibility of prolonged disruption to public services in spite of hopes that the expected concordat today between the Government and the TUC will improve the climate for pay negotiations.

Continuing informal talks between local authority employers and unions, have produced little sign of any solution along the lines of the recent 16 per cent package pay offer to water workers.

Unions are still hoping that some kind of efficiency bonus coupled with a comparability scheme will provide a way out of the deadlock following their rejection of an 8.8 per cent pay offer.

Employers, were adamant yesterday that any such deal would have to be genuinely self-financing and would cost jobs. But the suggestion that a 6 per cent efficiency payment could cost around 60,000 jobs has already been dismissed by the public service unions as unacceptable at a time of high unemployment.

The practical difficulties of implementing such a scheme, are believed to have been

emphasised in this week's exploratory talks.

Local authorities have an overall absenteeism problem to justify an attendance bonus along the lines of the water authorities offer.

Meanwhile, employers yesterday dismissed as impractical union proposals that extra cash for an improved offer to council workers might be found in local authorities reserves.

The Association of Metropolitan Authorities said that local authority underpinning "exists nationally but not locally." Only a sudden fall in interest rates could produce spare cash in the short term and even this would not be available for the wage bill.

Water workers in the General and Municipal Workers Union and in the Transport and General Workers Union are expected today to vote on whether to follow the "strong recommendation" from union negotiators to accept a 9.05 per cent basic pay increase plus a 6.9 per cent efficiency bonus.

The National Union of Public Employees decided on Monday to put out the offer to its members, with a recommendation to accept but a final result is not expected till early next week. Meanwhile, more than 500 water workers in Merseyside are continuing strike action because of the strings attached to an attendance bonus.

Striking Westminster dustmen yesterday agreed to remove rubbish from the streets in return for a promise by the City Council to pay bonuses for clearing the backlog. The National Union of Public Employees, however, said that this did not mean an end to industrial action by Westminster public service workers. Normal working would not be resumed while the work was going on.

Ambulance men in the West Midlands are threatening to step up industrial action following a Regional Health Authority ruling that bonuses and other special payments should not be made while emergency services only are being operated.

Elsewhere, Scottish members of the GMBWU will today join the nationwide plan of stepped up action with an official strike by more than 100 refuse disposal workers in Glasgow. Cleansing departments workers in Edinburgh are also requiring union approval for similar action.

## Lucas workers end sit in

SEVEN HUNDRED engineering workers yesterday ended a sit-in at the Lucas Aerospace factory in Wolverhampton.

Their decision to return to normal work means that shop stewards can start talks with

the management on future job security at the Forthhouses plant.

The sit-in began 10 days ago. The company turned off factory heating and power, and stopped wages after the men refused to lift a ban on

sub-contract work. A meeting with the management is planned for tomorrow afternoon. Workers fear the company is putting jobs at risk by sub-contracting work, which they say could be done at the factory.

## Disarray over Civil Service strike plan

By Philip Bassett, Labour Staff

STRIKE ACTION next week by Britain's two largest civil service unions will receive no direct support from the other unions in the service. One union has advised its members to cross picket lines if necessary.

The Civil and Public Services Association and the Society of Civil and Public Servants have instructed their 265,000 civil service members to stage a one-day strike next week followed by a campaign of selective action at key establishments in support of their claim for full implementation of the results of an independent pay comparability study.

Members of the other unions in the staff side of the civil service—National Whitley Council, which represents all 600,000 white-collar civil servants, say that the two unions have acted prematurely in taking action while negotiations

## Rail 'chaos' warning unless claim is met

BY PHILIP BASSETT, LABOUR STAFF

ASLEF, the train drivers' union, warned yesterday that British Rail faced "chaos" if the unions claim for a 10 per cent special responsibility payment was not met.

The union has already had four one-day national strikes in support of its claim, and drivers on British Rail's Southern Region are threatening an unofficial strike a week today.

Mr. Ray Buckton, general secretary, was presenting the union's claim to the Railway Staff National Tribunal, chaired by Lord McCarthy, lecturer in industrial relations at Nuffield College, Oxford. The same tribunal broadly rejected the ASLEF claim when it heard the case last year.

Mr. Buckton said he had no doubt that if a payment of 10 per cent was not forthcoming for all footplate staff, then in future changed working methods would not be accepted without a prior agreement on payment for them.

Each time local management wanted to change a method of working, ASLEF members would refuse to do the work unless it was specifically paid for.

He said such minute local bargaining would be certain to cause chaos. "It needs little imagination to picture the disruption to train services that will follow if each time management asks a member of the footplate grade to make some alteration to his agreed diagram, that person says, 'Well, how much will you pay me for it?'"

Mr. Sid Weigall, general secretary of the National Union of Railwaymen, which wants an across-the-board productivity payment for all railway workers, said there were fundamental differences in policy between the rail unions at the heart of the problem, though, was a failure by the British Railways Board to adopt "a consistent and coherent strategy."

## Amalgamation move 'yes' by engineers

BY ALAN PIKE, LABOUR CORRESPONDENT

THE Amalgamated Union of Engineering Workers yesterday cleared the way for a break in the long deadlock over the amalgamation of its four sections with a move which may have profound political implications.

Members of the union's engineering section national committee agreed to a change of rule which will enable the section to absorb three AUEW divisions on a transfer of engagements basis under the Trade Union Amalgamation Act.

Leaders of the other three sections—for foundry, construction and white collar workers—are being called to a meeting next week at which they will be invited to complete the amal-

gamation on the basis of the proposals endorsed yesterday. But only the foundry section is likely to agree to the move.

Yesterday's national committee meeting approved by 30 votes to 22 a resolution recognising that the failure of the AUEW to complete the full amalgamation of its four semi-autonomous sections was inhibiting possible mergers with other engineering unions.

The committee authorised the engineering section executive to take steps to bring about a new amalgamated structure on the basis of previously agreed proposals "amended to provide for the election by ballot voting of all the present and future full-time officials."

# Williams & Glyn's

## Interest Rate Changes

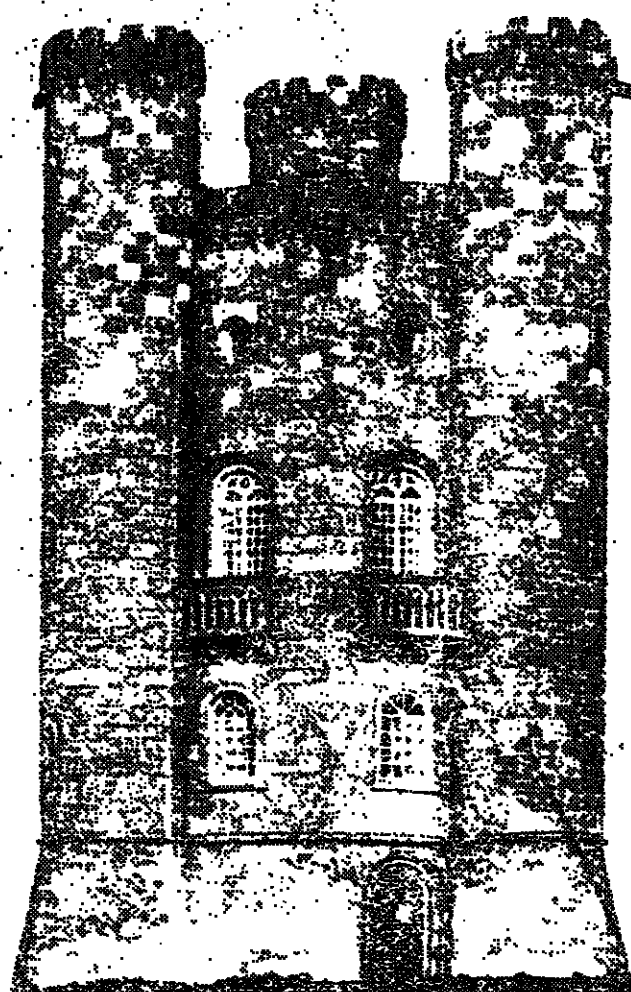
Williams & Glyn's Bank announces that with effect from 14th February 1979 its Base Rate for advances is increased from 12½% to 13½% per annum.

Interest on deposits at 7 days' notice is increased from 10% to 11% per annum.

WILLIAMS & GLYN'S BANK LTD



# Man has always been fascinated by property.



From time immemorial people have been intrigued by property. They've worked for it, fought, married and even gambled for it. Most of us work in factories or offices. The goods we use are produced, stored and sold in 'property.' Billions of pounds are invested in it. It's so taken for granted that it's easy to forget what a fundamental part of our lives it really is.

The most important aspect of property that people are personally involved in is, of course, their home. Whilst the single most important reason for choosing a

particular home is usually convenience, there is for most of us the desire to own something splendid in the country—house, cottage or even folly. The combination of both is possible for a few. Hampshire is a fine example of this. But equally appealing houses and cottages are to be found in other counties at prices which are substantially less; Dorset and East Anglia are two good examples.

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considerable understanding of the market and a discreet and personal service at all times.

Savills London Office and our network of countrywide offices can offer the same professionalism in all areas of property. We have divisions specialising in all aspects of Residential, Commercial, Industrial and Agricultural property in the UK and Western Europe.

A brochure describing the services offered by Savills called 'All you need to know about property' is available by telephoning Veronica Bevan on 01-499 8644.

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## UK NEWS — PARLIAMENT and POLITICS

## Joseph attacks 'lethal industrial alliance'

BY JOHN HUNT

THE "lethal alliance" between the Labour Government, the Labour Party and the trade union movement is a "millstone dragging the country down", Sir Keith Joseph, the Conservative industrial spokesman, claimed in the Commons last night.

Attacking the Government's adherence to industrial subsidies and nationalisation, he described Labour backbenchers as false prophets preaching "adversary economics".

He conceded that there might be a case for short-term subsidies to enable a particular company to put its house in order.

But the policy of wholesale and indiscriminate subsidies of the present Government was "totally wrong and damaging".

Sir Keith was opening a debate on a Conservative motion which deplored the Government's "disastrous" industrial policies on the grounds that they had "stifled enterprise, destroyed the hope of new and worthwhile jobs and left the nation poor and divided".

But the allegations were vigorously denied by Mr. Eric Varley, the Industry Secretary, who described them as "a crude and untruthful caricature of British industry today".

He said that the Tories had "carped and criticised" at all the measures of industrial assistance which the Government had brought forward.

Mr. Varley criticised Sir Keith for his reorganisation of the National Health Service in the Health Government of 1970-74 and said that he had been "the arch creator of unwieldy bureaucracy".

He also pointed out that Sir

Keith—who was now against Government subsidies—had supported Government intervention in industry when he was a member of the Heath administration.

"The mind boggles at the havoc he would create if let loose on British industry," he declared.

Mr. Varley moved an amendment welcoming the general objectives of the Government's industrial strategy and the way in which the NEB and the regional agencies have promoted industrial ventures.

The amendment claimed that Government policies had fostered the growth of micro-electronics and had eased difficulties in steel, textiles and shipbuilding.

Opening the debate Sir Keith said that Labour had always taught that employers were the class enemy and that unions could ignore the customers and the need for enterprise and profit. They had taught workers to resist efficiency and insist on overmanning. But now the chickens were coming home to roost.

This was illustrated by the fact that in the 15 years from 1963 to 1978 the average male's net weekly income had only risen in real terms from £15.33 to £18.53—an increase of a mere 19p a week each year.

According to Sir Keith, Britain's industrial decline had accelerated steadily over the past five years. Production was the same in 1978 as in 1973, yet pay had doubled over the same period. He saw this as a disastrous judgment on Labour's policies.

Profits had also fallen catastrophically in real terms, industrial confidence was low

and there were rising worries about liquidity as a result of inflation and strikes.

He admitted that investment had held up surprisingly well but stressed that it could only be made at the expense of consistent overmanning.

Labour Ministers failed to understand the sort of climate that was needed for high levels of employment and a rising standard of living.

"They give positive virtue to State spending," he complained. "They actually judge their virility and quality by the amount of taxpayers' money they spend."

He went on to accuse the Government of indulging in excessive borrowing, but this brought jeers from Labour backbenchers who reminded him of the record of the last Tory Government.

Sir Keith, however, admitted: "There are lessons to be learned from what has happened in the past. We have learned that lesson."

The extent of Government borrowing and the burden on the British taxpayer was almost unique. The Government had learned the bare essentials of monetary discipline but private industry had had to bear the entire shock of the contraction in money supply.

As a result, the private sector was being starved while the public sector continued its lavish use of resources without the discipline of a profit and loss account.

Increased nationalisation, subsidisation and politicisation of business led to a very unhealthy climate. Often the attitude of the public sector and subsidised industries was "take it or leave it, we shall suffer. Our jobs are secure."

The Government hope was that subsidies would provide full employment and rising living standards but in fact they achieved the opposite. It was an illusion that the little "Neddies," the sector working parties, the National Enterprise Board and planning agreements, could replace the vitality lost by overtaxing, over-regulating, and overmanaging trade unions.

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Premier and Prince: Callaghan greets his Royal pupil.

## Prince takes lesson

BY COLLEEN TOOMEY

PRINCE CHARLES "clocked-in" at 10 Downing Street yesterday morning to spend a day observing the wheels of power at work.

The Prince's visit was part of a programme organised to give him an insight into Britain's political, industrial and City functions.

He spent the day shadowing Mr. Callaghan, who was dealing with routine papers, seeing Ministers and presiding over Ministerial meetings.

It was Prince Charles' second visit to Number 10, but the first time he has ever attended meetings, and the first time a member of the Royal family has done so.

One of the main items of discussion on the agenda yesterday was the Cabinet's main economic committee was on what to do with the remaining two Concorde that the Government owns.

Among those involved in discussion were Mr. Denis Healey, Chancellor, Mr. Joel Barnett, Chief Secretary to the Treasury, Mr. Merlyn Rees, Home Secretary, and Mr. Michael Foot, Leader of the Commons.

British Caledonian, the private airline, is keen to inaugurate a Concorde route from Gatwick to Atlanta, Georgia. The other aircraft may be allocated to British Airways.

Ministers were deciding the allocation of financial aid in the event of launching the British Caledonian service.

After a working lunch with Mr. Foot, Mr. Roy Hattersley, Prices Secretary, and Mr. Peter Shore, Environment Secretary, Prince Charles went with the Prime Minister to the House of Commons.

There, in the distinguished peers gallery during Question Time, he saw the fruits of the morning's preparations.

During Prime Minister's Questions, Prince Charles was the subject of an exchange

between a Tory Member of Parliament and the Speaker of the House.

Mr. Robert McCrindle (C. Brentwood and Ongar) rose during Prime Minister's Question Time to say how pleased he was that Prince Charles had been spending the day with Mr. Callaghan. He went on to ask Mr. Callaghan whether he had made the invitation yesterday in case he was no longer Prime Minister after the next election.

As Prince Charles sat impassively in the peers gallery with Lord Pearl, the Lord Privy Seal, other MPs called Mr. McCrindle to order.

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## Mulley hedges over tanks

MR. FRED MULLEY, the Defence Secretary, yesterday refused to be drawn on whether the Government would take over the contract for the new Shtr tank for Iran, which is being built at Leeds.

The contract, with logistical support, is worth an estimated £500m.

Mr. Mulley told the Commons the Government was watching developments in Iran closely, but in present circumstances it was difficult to predict the future course of Britain's defence relations.

Sir Ian Gilmore, Tory defence spokesman, said that difficulties over defence contracts with Iran could have extremely serious employment implications for Britain.

"Unless the Government is prepared to take the Shtr tank for the British Army, will not this mean closure of ROF Leeds?"

Further support for the Government to take over the contract came from Mr. Emyr Iwan (L. Montgomery), who said the tank should be supplied to the RAF, which was at present equipped with out-dated tanks.

Mr. Mulley said the Shtr tank was particularly designed for the conditions in Iran.

He did not think the question of closing ROF Leeds should arise.

"But in these extremely complex contractual negotiations, and until we can disentangle some of the complications about cancellation charges, it would be premature to make an announcement now."

## Callaghan calls for impartial pay advice body

BY IVOR OWEN

ON THE eve of the new concordat between the Government and the TUC being unveiled, the Prime Minister told MPs yesterday that he favours the establishment of an impartial body able to analyse the economic prospects and offer advice on comparability and wage bargaining.

Tory MPs were again openly sceptical about the value of any new agreement and Mr. Callaghan carefully avoided giving any precise indication of the success so far achieved by Ministers in their talks with TUC leaders.

After emphasising that the results achieved by free collective bargaining were "not very satisfactory," he said: "Initially, I would like to see an analysis made, both between the Government and all interested concerned—unions, employers, managers and anybody else—of what the economy can do, and what are the likely consequences for wages, investment and consumer expenditure."

Mr. Roderick MacFarquhar (Lab. Belper) suggested that the problem of "leapfrogging" in wage settlements could be overcome if all public sector claims were settled on a common date and in an integrated manner.

This led Mr. Callaghan to reiterate that there was a need for some continuing arrangement to enable public service employees to receive fair treatment, while at the same time avoiding leapfrogging claims.

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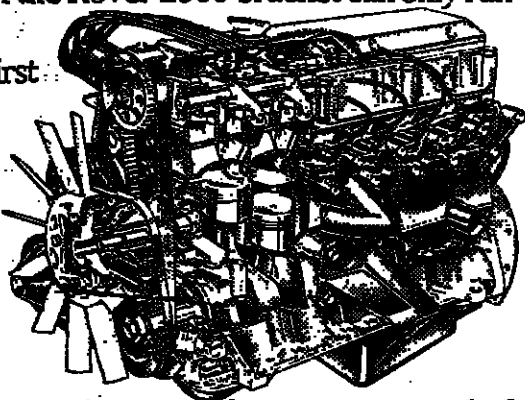
# Rover drivers enjoy a difference of opinion.



In spite of everything Rover drivers are agreed on — the uncommon partnership of high performance with outstanding economy, of top quality with unique style, and the enjoyment of a completely different concept of motoring — they enjoy very individual opinions on the different merits of the three cars in the Rover range.

## The 2300 Difference

Most cars in the Rover 2300 bracket can only run to 4 cylinders and 4 doors. Meet the first two qualities of the Rover 2300 that make it different: a tailgate door that opens up estate car capacity when you need it; and a specially-developed 6-cylinder OHC engine that gives the car a top speed of 114.1 mph and an acceleration from 0 to 60 in 10.8 seconds. (*Motor Magazine*, 5-speed manual)



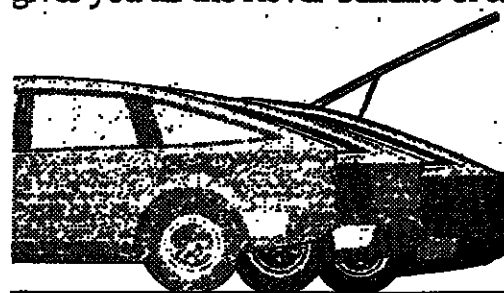
The Rover tradition of driver and passenger comfort plays a big part in the 2300's attractions. Quiet luxury for 5 adults, lots of legroom, a precisely adjustable steering column and thoughtful features like a quartz fascia clock and a push-button radio.

The real 2300 difference? At its price, it's the easiest way for you or your company to start enjoying the new generation of Rovers.

Rover 2300 from £5995.08\*

## The 2600 Difference

At the very heart of the Rover range, the 2600 gives you all the Rover benefits of safety, comfort and high performance with outstanding operating economy. A thoughtfully different feature of the 2600 is the self levelling rear suspension system: when the car is fully loaded, the hydraulic units



adjust the body to a constant height above the road, keeping your headlamps correctly aligned and giving you as smooth a ride as if the car were carrying you alone.

That's important when you look at the load a Rover 2600 can carry.

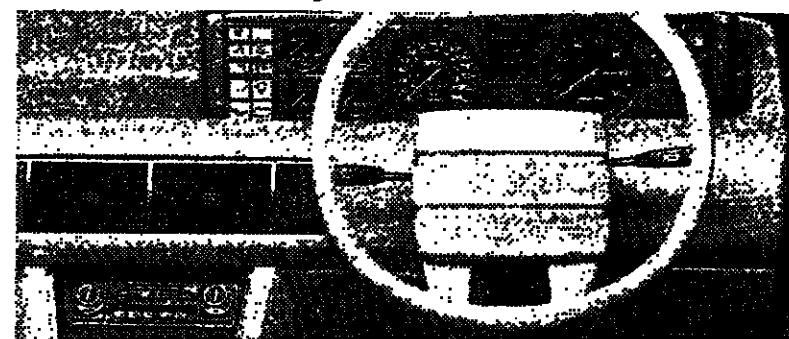
Through the rear door is a roomy boot with a carpeted parcel tray concealing the contents from public view. But fold the rear seat forward and you release 35.4 cu. ft. of estate car carrying capacity.

Rover 2600 from £6795.36\*

## The 3500 Difference

The award-winning Rover 3500 set new standards of excellence. But at Rover, we never rest on our laurels for long: we've even improved on the best.

Powered by the classic Rover V8 engine, the 3500 rewards you with electrically operated tinted windows, rear seat belts, a stereo cassette-radio unit and a central, 5-door instant security lock.

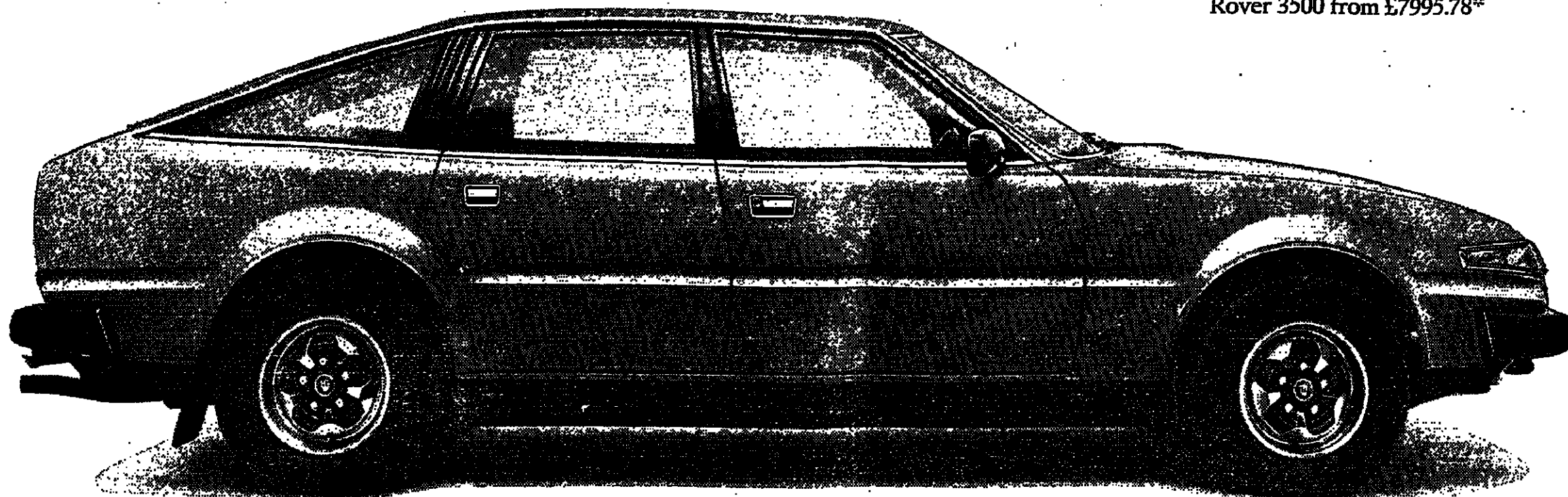


The Rover 3500 is undeniably the leader of the range, with comfort and character all its own.

And, like all Rovers, it's built to the rigorous quality control standards set by NATO in the requisitioning of its military equipment.

Another Rover difference that will make the 3500 the most satisfying car you'll ever own.

Rover 3500 from £7995.78\*



# The difference is Rover

\*All prices include car tax, VAT and inertia reel seat belts and exclude number plates and delivery. 5-speed manual extra on the 2300; automatic transmission extra on all models.

**Rover**  
Jaguar Rover Triumph Ltd  
2300/2600/3500



# Technical Page

EDITED BY ARTHUR BENNETT AND TED SCHOTTERS

## CONSTRUCTION

### Fuel bills cut to one quarter

**HARD** on the heels of the U.S. announcement that home-owners can get tax credits up to £1,100 for installing solar equipment, comes the award of a first prize at the UK Energy Show at the NEC in Birmingham to a group of designers and scientists for their design of a dwelling-house which will have heating costs less than one-quarter those of the typical British house—thanks largely to clever use of solar heating and energy recovery.

Ambient Energy Design partnership is the name of the group and its design is applied to a terrace of houses of standard size but with some innovations of considerable importance in attaining the desired effect.

Walls are of cavity construction with an internal lining of insulation. They can, if required, be filled with a foam or other insulant for added heat retention.

The double-glazed units used also have a thin infra-red reflecting film stretched invisibly between the two panes. This reduces heat loss to one-fifth of that experienced with ordinary single panes. It also allows large areas of glass facing south to capture more heat than is radiated during most of the winter.

Multi-layer roll shades provide further protection from heat loss during the night.

The first storey wall and the roof section which face south are made of a low-cost air-heating solar collector. This replaces the wall and the roof cladding and air rising through it is heated, even on not so bright days in winter. The necessary topping-up comes from a heater coil from the boiler and the warmed air is distributed throughout the house.

In very sunny conditions, the hot air is used to warm up a tank of hot-sized rocks in a bin under the stairs and this energy is then available for extraction during the night.

Each house would have a conservatory, which would play an integral part in solar energy capture. At the same time, the fossil fuel boiler would be so small that a whole year's supply of fuel could be kept in an internal store.

It is suggested that a heat recovery unit should be incorporated to extract warmth from outgoing state air.

Many of the departures from traditional design could be incorporated in existing houses undergoing renovation.

The design team claims its ideas would result in a structure with cost "not more than a few hundred pounds" above the Government cost-yardstick. Its suggested layout would easily be applicable to small industrial and agricultural buildings.

This is the Partnership's third award in this area of effort in three years. Meanwhile, members of the group, Dr. John Little and Randall Thomas, research workers in the University of Cambridge, have published a short book summarising their approach to building design. It is entitled "Ambient Energy Design—House heating for the 1980s" and it is not aimed solely at new constructions. Those who live or work in older properties will find it of considerable interest and while the economies in this instance cannot be so great, much can be done to cut fuel bills without great capital expenditure, by methods it suggests.

AED is at 36 Apthorpe Street, Fulbourn, Cambridge CB1 5EY. Cost is £1.50. Tel: 0223 880518.

## OFFSHORE INDUSTRIES

### Liquefied gas handling plan

**HELPING** TO open the way to the exploitation of the North Sea's marginal gas fields is a Franco-German project to develop a high reliability offshore loading system to transfer liquefied natural gas or liquefied petroleum gas (LNG and LPG) from floating offshore terminals to methanol tankers in difficult North Sea conditions.

This project is expected to cost just under £1.5m and the European Commission has awarded it 40 per cent financial support.

Project leaders are FMC Europe's Petroleum Equipment Division (Sens, France) and

Salzgitter and its offshore crane manufacturing subsidiary, PMS (Peine, Germany). Aim of the loading system is to cut out the need for expensive pipe installations and it will be independent and adaptable to field conditions to exploit small reserves economically and collect the large amounts of gas which are now being flared off—a total waste.

Development should be completed by the end of 1980 and the first loading systems operational with oil companies by 1981-82. Project leaders say that 60 per cent of the estimated gas reserves in the North Sea below latitude 62 degrees can only be exploited economically by such a system.

Methane tankers are in service and the technology of loading liquefaction plants is well on the way. There remain the transfer techniques, which are now being tackled. FMC is to develop a system based essentially on loading arms of its Chikson type, which is building in sizes from 6 ins to 24 ins. Some 200 of these are already in use on transferring LNG.

Salzgitter is developing a marine crane which will support the loading arms and be able to cope with wave heights up to 20 metres.

Dry break protection will be built into the system.

### Spots the platform hazards

**CUTTING** a niche for itself in the North Sea production platform safety business is GP-Elliott Electronic Systems, formed in 1968 and now a £2m turnover private company employing 73 people.

The Merton, South London company specialises in the "disciplined" shut-down of oil and gas production platforms with equipment, based on triplicated microprocessors, that will make sure that production is not lost for inadequate reasons if an operational or technical problem arises.

A pressing reason for this kind of equipment to-day is that a platform can be producing £1m of product daily, so that lengthy shut-downs are a serious matter.

On the other hand, warning signals have to be properly recognised to avoid plant damage, and the latest equipment from the company keeps a continuous eye on pipe line pressures, temperatures, turbine and pump amperage up to 100 sensors and taking actions when needed with the aid of three microprocessors.

All the information is brought up on panel displays employing light emitting diodes, and it is possible to test both the input circuits to the unit and the logic circuits themselves by employing isolation keyswitches, avoiding any interference with the platform operation.

If a fault occurs on the platform, the equipment makes a decision by means of a "two out of three" electronic voting system, making it almost impossible for there to be any mistake. Even if one of the micro fails, the remaining two have to agree before action is taken.

For any particular platform problem, or combinations of problems, an output sequence will occur to shut all or part of the plant down in an orderly manner.

The beauty of the microprocessor approach is that these sequences can be programmed to be exactly what each platform requires and changes can be made without any alteration to hard wiring.

Value of these installations is in the £1m region, and the company has already won its first order from Texaco North Sea UK for the Tartan platform.

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## SECURITY

### Thwarts bicycle thieves

**IN GREATER** London area only, almost 19,000 bicycle thefts were reported last year. Many more, throughout the UK are "borrowed" or stolen, and some owners do not even bring the thefts to the notice of the police—the latter, admitting that there is very little hope of recovering the vehicles.

Latest solution to the problem comes from the Massachusetts Institute of Technology which has introduced a safeguard made of special alloy material, hardened by a process which it believes makes the lock, called the Citadel, stronger than any others of conventional materials.

Unlike simple case hardening, where only the thin outer layer of material is hardened, the lock's half inch bars are hardened throughout. Further security is provided by a double locking mechanism that positively locks each end of the shackle, says UK distributor, Madison Cycles, 275 West End Lane, London NW6 1QS (01-794 7945).

Bicycle or moped can be locked in several ways: securing the frame or wheel to an immovable object; locking the wheel through the fork; or (in the case of a cycle) locking both back wheel and frame to the object. Two sizes are available—Model 1 is 9½ inches by 7 inches for cycles, and Model 2, 13½ inches by 7 inches for motorcycles and mopeds.

Said to have proved successful in the U.S. for some years, the lock has undergone 200 different tests there to prove its resistance to assault with hacksaws, 42 inch boltcutters, cable-cutters, crowbars, hammers and acids.

### Deters bus bullies

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**Atlas Copco compressed air systems.**

Atlas Copco Air Systems Technology for Generators to Come.

## INSTRUMENTS

### Checks the strain

**MEASURING** instruments using either load cell or strain gauge inputs can be set up using a transducer calibration unit put on the market by Strainall, Denmark Road, Cowes, Isle of Wight (098332 5111).

The device is used to provide a precise signal, equivalent to the output of the transducer in use so that correct functioning of the measurement/control electronics can be ensured. Output devices such as pen recorders or trip units can thus be calibrated and tested.

Designated 1840, the unit has a 10-turn dial calibrated either at 0 to 5 mV per volt or at 0 to 10,000 microstrains (that is, parts per million of extension or compression).

FOOD, BREWING and other industries can save up to 50 per cent on cost of storage vessels with a pressure and vacuum bursting disc for ultra low pressure relief from 1 inch water gauge to 0.75 psi, claims Hymatic Industrial Controls, Orchard Street, Redditch, Worcs. B98 7DP. (75-87341).

Vessels can now be prevented from bursting under extremely low outward pressure, or from collapsing under excess vacuum, says the company.

Essentially, the device comprises a Teflon seal held clear of a cutting knife blade by a Teflon or stainless steel girdle, plus a perforated disc.

To ensure protection against very low pressures, such as one inch water gauge to 0.75 psi, the seal presses against the girdle and, at a predetermined pressure level, it flips over allowing the seal to be cut by the knife blades and so relieve unwanted pressure.

Under vacuum conditions, the seal is drawn in against the perforated disc which ruptures at its predetermined vacuum level, which allows the seal to break and relieve the vacuum to prevent tank implosion.

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## HANDLING

### Recycles the powder

**FOR USE** in electrostatic paint spraying installations, a powder handling system from Aerostyle, Sunbeam Road, North Acton, London NW10 6JT (01-995 3484), not only returns the over-sprayed powder from the booth to the guns but also blends in new powder and re-conditions for further use.

The system works without manual intervention and allows sufficient time for the powder to remain in contact with earthed surfaces in order to dissipate any residual charge. In addition a high quality sieving action removes the impurities almost inevitably introduced in production booths.

A further benefit is that bulk delivery bins can be accepted from powder suppliers, reducing materials costs. The system can convey the powder over considerable distances enabling a bulk delivery point to be located conveniently in an unloading bay.



## FINANCIAL TIMES SURVEY

Wednesday February 14 1979

## Mobile Communications

In this electronics age mobile communications technology is among the front-runners in terms of growth potential. This survey reviews the main lines of development, and the problems ahead, in a spread of equipment which nowadays ranges from the familiar "walkie-talkie" to complicated interlocking systems.

## Strong signals for growth

By John Lloyd

THE GENERAL background against which this, the first Financial Times survey on mobile communications, should be set is necessarily a wide one. The trends in manufacture and in the markets can be situated along at least three major axes, which can be identified as (a) the rapid growth in communications technology; (b) the requirement for constant communication within any given service or production unit so that it is able to respond rapidly to rapidly changing demands; (c) the need to use energy efficiently.

Two other influences might be mentioned here, which cut across and mediate the three identified above. First, the increasingly efficient use of communications by the advanced industrial countries sets up competitive pressure which must be met by all companies, especially since communication has been identified as a crucial — perhaps the crucial — productivity boost. Secondly, the limitations on the deployment of communications of the kind described here are considerable, mainly proceeding immediately from State regulatory agencies, and these mainly in turn reflecting real limitations of the basic resource — in the case of mobile communications, the airwaves.

At times, too, these regulations represent the "balance

between private and State initiative, as is very obviously the case in the UK where the Home Office and, more important, the Post Office play the leading roles.

In technology much work — both recent and in the past — has been aimed at improving the quality of the signals and speech transmitted from and to base and mobile.

The developments have been world-wide and varied. However, an important recent advance has been the availability of crystal oscillators with a high degree of stability which seem to offer results in the frequency spectrum approaching only 1 Hz of drift on carrier frequencies of 100MHz.

The ubiquitous microprocessor is now responsible for further advance, especially in the area of channel selection, where a microprocessor can automatically select a free channel for the mobile, can constantly scan all operator positions and can stack calls in sequence during peak periods. These specific advances have greatly aided the move towards direct dialling from mobiles, though there is some debate on whether direct dialling from mobiles will be preferred to assisted calling.

In the grand jargon in which communications theory is discussed, this is the "techno-logic" age, a neologism coined by Mr. Zbigniew Brzezinski, now President Carter's national security adviser. The theory is now having a profound impact on practice.

That neologism was in part another way of describing what Professor Daniel Bell of Harvard had dubbed "the post-industrial age," where communications would become the critical strategic industry because the dominant sectors of the advanced economies would and are becoming "knowledge-based." Thus, the argument goes, communication between and within these industries becomes critical, since knowledge must be shared among

larger or smaller groups, while new data must be fed in and out continually.

This affects more practical concerns in a number of ways. First, companies must respond to competitive pressure — if their competitors are reaping efficiency gains, so must they if they are to survive. Secondly, as workers of every kind require to be better and more regularly informed while mobile or away from the central office, they must be open to access. Thirdly, as more organisations become service-oriented (of one sort or another) the minute-by-minute signals from their various market places or service areas must be relayed.

So far as energy is concerned, the strong connection between the increasing use of mobile communications and the efficient use of energy is not immediately apparent, yet is simple enough. Mobile communications are largely used in parallel with an older form of physical communication — vehicles.

## History

In those services where they have a comparatively long history — as in the police force, ambulances, taxis — they make the present way in which these services are deployed possible. The spread of other types of service organisations means that it is inevitable that mobile communication will itself spread, particularly as it is wasteful of fuel to have constant return journeys to base in order to receive fresh instructions.

Naturally, this point is receiving some attention in the promotion campaigns of the various mobile radio equipment manufacturers and suppliers. A calculation frequently quoted is that use of a radio communication network in a fleet will save the operator one vehicle in ten. In this context, higher fuel costs are a boon to the mobile communications industry.

Looking now at rules and regulations, it is perhaps unfortunate but true, that in a market perceived to be rapidly growing regulatory agencies are often identified as being a major villain, and their actions often described as being those of a greedy and jealous monopolist. In Britain both the Home Office, which since 1969 has been the regulatory agency for the airwaves, taking over the responsibilities previously vested in the Post Office when it was a Government department — and the Post Office itself, which operates a general telecommunications monopoly within which it grants a number of exceptions, have come in for their share of attack.

However, it is the case that the regulations themselves are an expression of an extremely finite resource — i.e. frequency availability. In most of the country there is still capacity to spare. But in London, where the concentration of police, taxi, ambulance, closed systems (as nationalised industry networks), Post Office networks and some private networks is by far the greatest, the effective limit of allocation has been reached, and the Post Office and Home Office have closed their books on new licences.

Thus both the Government and the manufacturers are keenly interested in the forthcoming World Administrative Radio Conference (WARC), which will begin, under the auspices of the International Telecommunication Union (ITU), in Geneva on September 24 next and last for around 10 weeks. The ITU is a specialised



One of several hundred vehicle radiotelephones supplied to Cable and Wireless Business Communications in Bahrain by the Mobile Radio Division of Marconi Communications Systems

agency of the UN, and its convention and administrative regulations have treaty force. WARC's are held infrequently; the last was in 1959 and the one before that in 1947 (though of course much regulatory work is done by standing committees between the major conferences).

## Attention

Thus partly because of the long passage of time since the last large full-scale conference and partly because of the increasing congestion of the frequency spectrum, especially in the U.S., the WARC of 1979 is the cynosure of attention in all of the industries associated with radio communication, and much will be heard of it in the coming year. While it is not simply an "air-wave carve-up" there is no doubt that allocation will be its most important task.

Moreover, the decisions of WARC 1979 are expected to remain valid, in broad terms, until the end of the century. The organisers thus have to frame their plans to take into account growth and changes over 20 years to come in a field which will be more active and more rapidly changing than at any previous period. The exercise will be both fascinating and delicate.

In general terms Britain is reasonably well placed in world radio communications markets. It is historically an innovator in technology and remains especially strong in the fields of military, aviation and marine radio equipment.

Companies like Plessey, the comparative newcomer Racal, Marconi (a division of the General Electric Company), Decca, Pye (a division of Dutch Philips) and Ferranti are world names and in some products world leaders, while a host of smaller companies show

growing strength in domestic able to do that is to build up and import markets. In the civilian radio communication market, partly because that sector is often much weaker than military but also because it is probably that much growth will come in that area.

Finally, it appears that both Government and Post Office, especially the latter, have been able to build up a pool of considerable expertise in this field, allowing them to respond relatively flexibly to growing demand. This is not merely their own estimation, but one often shared, albeit grudgingly, by private organisations. While there is still an overall political/philosophical debate on the Corporation's monopoly on telecommunications, which has sharpened in the past year, most agree that the monopoly itself is not over-tyrannous.

It seems that one way it may

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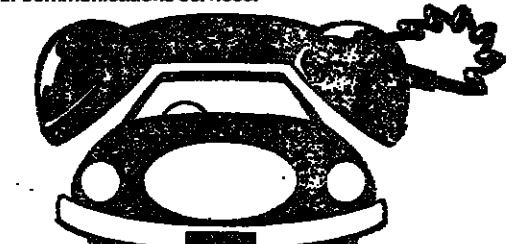
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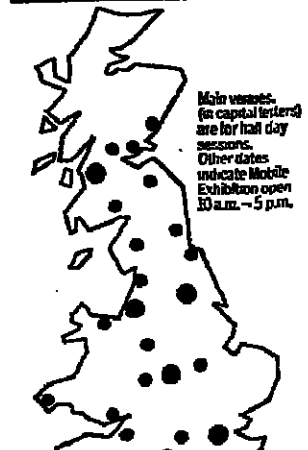
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## MOBILE COMMUNICATIONS II

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## PROFILE: PYE TELECOMMUNICATIONS

## Clear lead in Britain

STOP SOMEONE in the street and ask them what Pye means in their lives. They will probably tell you they own a Pye television, radio or ten-maker.

Even if they don't, they will probably have heard of Pye Holdings, because although it was taken over by a Dutch company, Philips Lamp, 12 years ago (it has a 60.7 per cent stake), Pye has been manufacturing in Britain since 1896.

What these Pye consumers may not know is that Pye's biggest profit earner is by no means consumer goods. It is telecommunications.

Britain's first portable two-way radio was developed during World War II by Pye. The WS19 was built in just six weeks following a 1939 War Office request. About 40,000 sets were made and used as an essential part of infantry equip-

ment. Soon after a mobile version came out—the WS19, for tank use.

In 1946 Pye decided to break into the commercial radio telephone market and formed a subsidiary, Pye Telecommunications. Since those days, when two-way radio in a vehicle took up nearly as much room as a passenger and a portable unit needed two men, Pye Telecom has made rapid progress.

It now employs 2,600 of the group's 14,000 workforce in the UK and occupies the largest industrial premises in Cambridge. Among the products it makes are paging systems for hospitals, factories and offices; mobile radio telephones for contact with drivers away from their base; portable radiotelephones and fixed two-way radio equipment and base stations.

The set it will supply to the Post Office is, however, a Fin-

ish-made piece of equipment, the Nokia SV1300 radio telephone. Nokia, one of the largest Finnish electronics companies, claims that the SV1300 is one of the few radios which can operate in a car and be rapidly adapted for use as a manpack radio away from the car. Marconi anticipates good orders, and may in the future take up a licence to manufacture from Nokia.

Dymar Electronics is also well placed in the field, having built up its experience in radio communication in VHF equipment for the marine market. Dymar sets progressively "came ashore," and now the company is pushing hard with the Lynx radiotelephone, launched in 1974.

Last June the company played a major role in the launching of the countrywide Radio Communication Services, a consortium of message-handling companies which includes Selective Audio Messages in London, Air-talk in Manchester and Answer Link in Brighton, with further centres in Birmingham, Grimsby, Middlesbrough, Nottingham, Peterborough and York.

The new company claims to cover 75 per cent of the UK population. It has more than 1,000 sets on the road, with another 1,000 forecast for the coming year. The equipment supplied to the network has the added bonus of a pocket "Alert" which the driver carries with him when he leaves the vehicle, and which will alert him to a call on his set.

There are several other companies which maintain a respectable share in this market, or which are trying hard to gain one. These include Harris, Nilton Communications, which is strong in the public utilities market, and Rediffon, the second of which has recently been successful in the Middle East and which also markets transmitters recently securing a £750,000 order from the Post Office for the corporation's share of the UK market, dwarfing its competitors, Motorola and Sornio—both of which claim second place—and Marconi.

It is responsible for the maintenance of more than 150,000 mobile, portable and fixed station equipments. Around 185,000 were licensed last year and including Government-operated equipment the total is likely to be about 225,000. A further 25 per cent of unlicensed sets can be added to this Pye claim, since manufacturers are under no obligation to the Home Office to declare the number of sets they despatch from their factories.

In 1977 Pye group sales were £185m, of which £32m came from telecommunications. But although Pye Telecom has continued to expand both here and abroad, the group results were slightly disappointing, down by 30 per cent on the previous year. This was largely due to Pye's disposal of its audio and video activities and its investment in Pye Industries Australia. It also sold the assets of Cambridge Data Processing to Philips Electronic and Associated Industries for £203,000. Further slimming operations are on the cards this year, and telecommunications subsidiaries abroad will not be immune.

## Exports

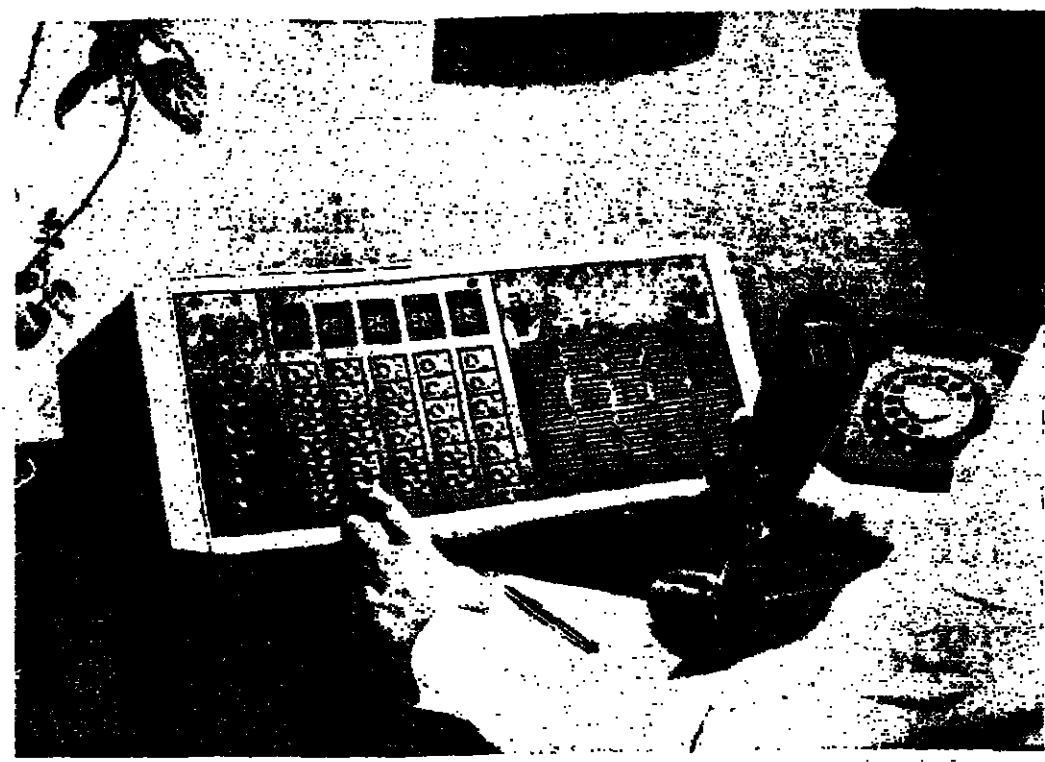
Pye Telecommunications is Europe's largest exporter of mobile radio. In 1977 exports increased by one-fifth and constituted 37 per cent of sales. Its contribution to group exports was similar last year, with 30 per cent of its production going to 90 countries.

Last year the company won a contract to supply Nova Scotia with £2m of two-way radio equipment which will eventually link all Government departments and services throughout the territory. The five-year service contract is worth another \$1m. A £4m contract signed between a Middle East country and Pye in March, 1977 is now under way, supplying law enforcement communications equipment.

The service department is an integral part of Pye Telecom's marketing. In Britain it has a staff of about 500 operating from 24 locations, and 60 people abroad whose sole job is to install Pye equipment.

Pye has won other contracts recently. Within the past four months it has received £103,000 of orders from Algeria and a £200,000 contract to equip Stockholm's bus fleet with mobile radios.

Last May Pye opened its new £6m headquarters and manufacturing complex. Since then it has brought out three products designed for export—the M206, a high performance mobile, the P5002, a VHF FM multi-purpose portable, and the Mascot 1000, a communications system control terminal giving multi-access capability. Orders for the M1000 have run to well over £500,000 from home and overseas.



Pye Telecommunications' Mascot 1000, a communications system control terminal giving multi-access capability and one of several new products recently launched by the company

## developing paging network.

One example among several companies attempting to establish a stake in the market is Bird Audio, a member of the Brooks Group (traditionally known for its alarm systems).

Bird Audio, which is strong in marine communications, recently acquired a small South Wales-based company named Calliboy which had gone into liquidation. According to Mr. William Hambleton, Bird's marketing director, Calliboy had an innovative range but lacked the capital to develop and market it, a function he sees Bird able to perform. "We decided to get in because of the growth we see

in the land mobile market. We'll be developing features which Calliboy hadn't got, like selective calling. We have resources to plough in to get a good share of the market."

One of the more publicised features in the industry over the past year was the acquisition for £510,000, just before last Christmas, of a 51 per cent stake in Burndeft Electronics by the National Enterprise Board. The acquisition threw up a number of features about the market, and raised a number of pertinent questions.

Chief among those was the problem, which Burndeft admitted was a significant one, of the high proportion of fixed-price work which many of the manufacturers did for Government agencies, especially the Home Office. Fixed-price contracts in a period of high inflation gave Burndeft a number of headaches, and caused it to plunge into loss, estimated last year to be around £400,000 and targeted this year at around £200,000.

In the specific case of Burndeft, this was compounded by uncertainty on its future and an uneasy relationship between the company and its previous sole parent, the Bree group

(previously Ever Ready), which retains 49 per cent of the equity. The company's management believes, however, that the injection of cash by the NEB will enable it to strengthen product lines which it claims were developing well, especially its "survival" radio pack in which, it says, it is a world leader. Its competitors were uncharitable to it at the time of the NEB intervention, alleging that it cut its prices and forced everyone else to follow suit.

An index of the industry's growing self-confidence was the formation, in November last, of the National Radio Communications Trade Association, which is seeking to establish a national body composed of equipment distributors and service contractors to set minimum engineering standards and monitor technological innovations.

Again, the industry received a more tangible shot in the arm when the Post Office last June effectively allowed "interconnect" between mobiles and the Post Office network for the first time. This was a long-awaited event, the implications of which are discussed more fully elsewhere in this survey.

John Lloyd

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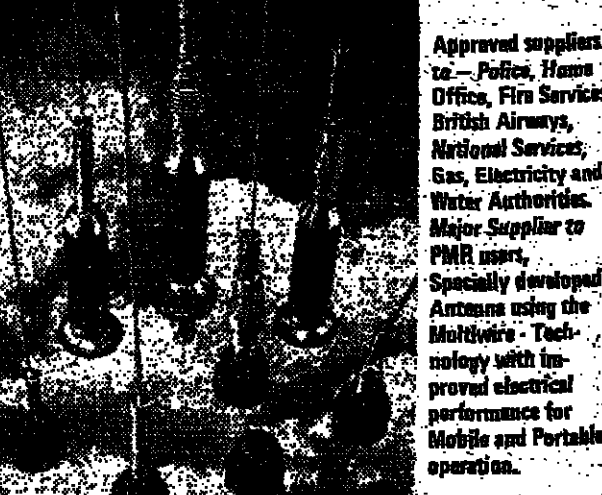
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Colleen Toomey



## MOBILE COMMUNICATIONS III

## Extensive military demand

SOLDIERS the world over are traditional users of highly mobile field communications systems. Air forces too have their own particular requirements for miniaturised radars and radios for air-to-air and air-to-ground communication. But it is only in the past two years that the need for an unprecedented degree of mobility in the field of ground radars and communication centres has been fully realised.

The developing operational requirement for such systems, particularly in Britain, has arisen amid changes in the nature of potential threats to national security.

Traditional fixed radar sites have become increasingly vulnerable to attack. Their locations are well established and new solutions have been sought to the problem of detecting low-flying aircraft while at the same time raising the chances of an installation surviving attack.

This need for mobility is expected to be the main feature of Britain's new early-warning radar system for detecting enemy aircraft. The Royal Air Force was given approval towards the end of last year for its plans for a new, highly versatile and flexible aircraft detection system.

The completed system, when it becomes operational in the 1980s, is likely to have cost in excess of £100m. The North Atlantic Treaty Organisation (NATO) is expected to contribute a considerable part of this.

Full details of the proposed system have not been released,

but the underlying planning programme, known as the UK Air Defence Ground Environment (UKADGE) scheme, was already well advanced at the time of last February's statement on the defence estimates.

Development was well underway by the end of last year and work had started on the re-alignment of a number of early warning stations. The main strategic UK detection system, the ballistic missile early warning system at Fylingdales on the Yorkshire moors, is not expected to be affected or run down in any way as a result of the proposed changes. The Fylingdales site was designed to give warning of medium-range missiles heading for Britain and also to spot the launch of long-range missiles aimed at the U.S.

## Advances

The past Defence White Paper also spelt out the plans for improvements in high speed communication of data. These advances would be a necessary complement to future command and control systems.

Project definition work has started on the exchange of digital data between airborne fighter aircraft, airborne early warning aircraft, ships and the proposed UKADGE system. Work is also under way on the feasibility of introducing a general purpose ground communications system, using digital transmission and computer switching techniques.

In the air, new VHF and UHF airborne radio systems are now



Field operation of Plessey Avionics Groundsat, a one-man radio set which dispenses with the need for the intermediate re-broadcast station traditionally used by armies in difficult or hilly terrain

being installed in most of the RAF's front line aircraft to replace equipment now obsolete and less reliable than today's operational requirements demand. The new equipment is also needed to satisfy revised standards of international compatibility between various national systems.

Britain is also introducing a new generation of VHF and UHF radios for ground communication and one of the more demanding and novel developments now underway is the evaluation of ways of improving radio systems for communications beyond the visible horizon. This technique is certain to play

a large part in the development of military strategy into the 1990s.

The British electronics equipment industry has had a central role in the development of military communications equipment. Many of the larger companies are now actively involved in the miniaturisation

and improvement of radar, battlefield support equipment and radios for personnel communication.

The Cervantes trailer-mounted radar is a current example of battlefield equipment designed for ease of movement. The unit is now under development and is to be designed to locate rocket launchers and mortars.

In the areas of tactical battlefield trunk communications systems the Parnigan system is now in the final stages of development for the British Army. Parnigan has been designed to conform with NATO standards so that all future trunk communications systems may be fully interchangeable.

Some of the latest fully mobile, high performance radar for military use were displayed at the Farnborough Air Show last year. Marconi Radar Systems displayed its Martello radar. This is designed to provide air defence coverage at ranges up to 300 miles with a high resistance to jamming from enemy electronic counter-measures.

It is possible that the Martello radar may have a part to play in the revised UK air defence network when it comes into operation over the next decade.

Marconi Space and Defence Systems, another GEC-Marconi Electronics Company, was responsible for the development of the Clansman vehicle radio, now in service with the British Army. The radio, with VHF and frequency modulation was designed for use in British armoured and soft-skinned vehicles at ranges up to 24 miles.

Soldiers on the move are also able to benefit from the developments in personal radio sets achieved over the past five years.

Plessey Avionics and Communications has developed the Groundsat, a one-man radio set which overcomes the need for an intermediate station to re-broadcast signals sent out to the soldier. Re-broadcast stations, traditionally used in difficult and hilly terrain, can be time-consuming to set up and are always bulky.

Groundsat provides automatic repeater facilities from an unmanned station for signals from both the command post and soldiers. The system enables signals to be transmitted and received simultaneously on the same frequency at the same site.

The SINCCARS V, the U.S. Army's new generation of tactical single-channel radios for use as a one-man pack, or in vehicles or aircraft, was developed by a team from Cincinnati Electronics in the U.S. and Marconi Space and Defence Systems in Britain.

The market for the new radio is enormous and up to 250,000 sets are expected to be ordered by the U.S. Army. Britain's Marconi Space and Defence Systems is likely to remain a major sub-contractor to Cincinnati Electronics. The initial development contract was worth over £3m, but the potential value of sales to the U.S. Army alone may total £500m. The single set has been designed to replace three different types of radio, with much of the advance on miniaturisation a result of the use of micro-processors.

Lisa Wood

Lynton McLain

## The spread of civilian use

THE USE of land mobile radio in Western Europe is growing at such a pace that by 1990 it is estimated it will reach densities of between 40 to 60 mobiles per 1,000 inhabitants.

A report prepared by Storno, the Danish-based telecommunications group, analysing the growth of the mobile radio sector, the growth of channel demand and technological means of improving spectrum efficiency, estimates that by 1990 there will be a potential demand for approximately 3,000 channels in the greater part of Western Europe. By 1999 demand is expected to increase to 5,000 channels.

This demand will come primarily from the private, business and industrial markets, with the replacement market—police, emergency services, etc.—playing a secondary role.

The main competitors in the UK vying for this boom in business are Pye Telecommunications, Storno and Motorola, with Marconi Systems and others including Dymar Electronics taking about 10 per cent of the market.

Competition in the field of land mobiles is so intense that companies are reluctant about new lines or technological development except in the broadest terms.

It is estimated that while Pye Telecommunications continues its domination of the UK market (with between 50 and 60 per cent), Storno and Motorola are battling it out for second place. Storno claims it has about 12 per cent of the UK market and that Motorola has between 6 per cent and 9 per cent. On the other hand, Motorola claims it has sur-

passed Storno and that it has a 15 per cent share, but it agrees that Storno's market share is between 10 per cent and 12 per cent. The total UK market is estimated to be worth about £45m per annum.

Pye, which has been manufacturing instruments in the UK since 1896, is 60 per cent owned by Philips Lamp of the Netherlands. It developed its first two-way portable radiotelephone—the WS18—because of a war-time Government request. The radio telephone was built in just six weeks in 1939, and became an essential part of infantry equipment. About 40,000 sets were made and the equipment was followed by a mobile version—the WS 19, used in tanks.

In 1946 Pye entered the commercial mobile radiotelephone market and formed the subsidiary Pye Telecommunications. Today this subsidiary (turnover in 1977 £32m) has a nationwide service organisation which is responsible for the maintenance of more than 150,000 mobile, portable and fixed station equipments. Ancillary products include the Pye PGLAM which is compatible with its Olympic mobile radiotelephone.

But competing for those same customers is Motorola, the U.S.-based multinational in the electronics field, which started its UK manufacturing base at Basingstoke in mid-1977 after several years of marketing its products in Europe. It claims that sales in the UK went up by 80 per cent last year and says: "We will be taking on Pye during the next five to 10 years."

Twenty-five years ago Motorola's communications sales were all in the U.S. and the market consisted of the police, military services and others associated with space and military research projects. Now its two-way radio products are found in more than 100 countries.

At its Basingstoke plant it manufactures mobile radios, pagers and accessories. Its team of British engineers work closely with their counterparts in the U.S. and Europe and Basingstoke is firmly export-oriented.

## Standard

Its Pageboy 11 Radio Pager has become a European standard. Among Motorola's customers in the UK is the Post Office, which awarded Motorola the contract for the London digital computer controlled terminal which interfaces between the telephone exchange and the radio paging system. This terminal can accommodate up to 100,000 subscribers in the Greater London area, all on a single radio channel.

Other customers include bus operators. Greater Manchester Transport uses more than 2,000 Motorola mobile radios and British Rail uses Motorola hand portables in all its London terminals. Hand portables are also used on oil rigs and use the long-range single sideband and microwave systems to communicate with the shore.

One of the latest developments in the portable field is the RDX1000. This differs from other MX300 portables in that it has a keyboard and allows its operator to feed data directly

into a remote computer. The computer can respond, with words and numbers. This unit will be available in the UK shortly.

In a vehicle, high speed data messages are handled by this mobile data terminal which works over the standard vehicle radio link into a computer data bank. The German CID uses it to transmit vehicle licence numbers to check on ownership or if the vehicle has been stolen.

Motorola believes the future of land mobile radios lies to a great extent in digital systems, which can, for example, be used in the telephone and computer industries.

Storno, 75 per cent of which is owned by General Electric of the U.S., has had a UK manufacturing base for several years and it claims its market penetration is rapidly increasing, with a turnover in 1978 of £12m, compared with £10m in 1977.

Its first co-operative venture with General Electric—the COM 500 mobile FM radio telephone—was launched in the UK last November. Storno says the relationship has been of tremendous benefit and has vastly improved its speed of technological development.

Existing Storno customers in the UK include British Rail, London Transport, the Metropolitan police and 1,500 buses throughout the UK. Most of the production at its Camberley plant is of the Stornophone 600 COF600 range which includes VHF/UHF base stations.

Like others in the industry, Storno sees its growth largely dependent on decisions made at WARC, but it anticipates a growth rate of up to 10 per cent per annum.

A recent development in car telephones has been the introduction of sets which are capable of use in and out of the car. Marconi, recently appointed as the third official supplier to the Post Office, is marketing a set made by the Finnish company Nokia which can be used in the car or from the dashboard. Another is Noltan Communications' Sabre set, which runs from the car battery when mobile, then automatically changes to an internal battery when removed from the car.

In the general field of "message handling," the past few years have seen the growth of a number of service companies which provide the facilities for routing calls, either from vehicle sets or pagers. Of these, the largest and most successful has been the London-based company Aircall, which has now set up subsidiary companies in the U.S. and Australia, and seems strong enough for further development elsewhere.

The main areas in which the company is active are radio telephone services, medical services, paging services and a telephone answering service. The first of these suffered some recession a year back but has recovered growth again. It will be aided by the recent decision of the Post Office to allow interconnection between the Aircall system and the Post Office network, so that a two-way conversation can take place. Previously, messages were relayed by the Aircall operator. Aircall, which pursues an aggressive, anti-monopoly campaign against the Post Office, credits itself with some of the fruits of that change.

However, the company's medical services, or deputising services, is one of its strongest divisions. Essentially, Aircall

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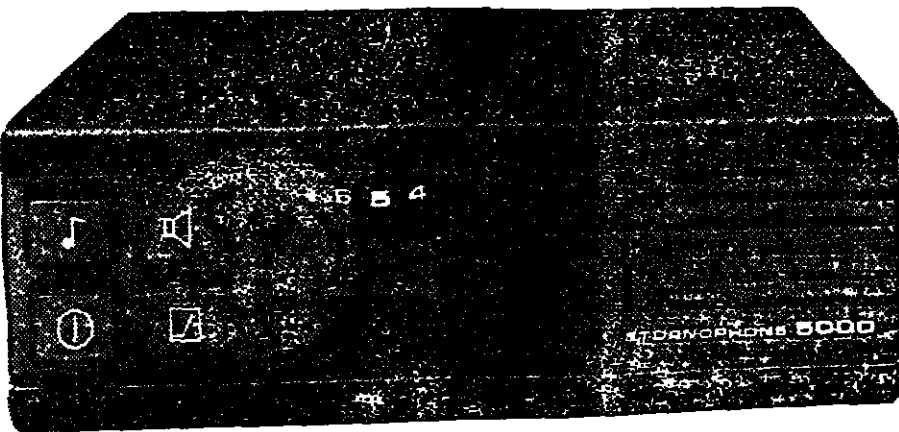
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## MOBILE COMMUNICATIONS IV

# Post Office's dual role

THE POST Office plays a dual role in the mobile communications scene. It is both a supplier of services and a regulatory agency. Classically, of course, any agency which can control a market in which it operates is frowned on. In practice the Post Office appears to have given enough slack to the private market to content it, at least for the time being—though the tension is latent and no doubt battles will be fought in the future.

The two services provided by the Corporation with which we are concerned here are the Radiopaging Service and the Radiotelephone Service. In both cases the Post Office has proceeded on the whole more deliberately than the private operators with which it co-exists. But, it would argue, it has done so more thoroughly because of its blanket national coverage and its massive resources.

Radiopaging is the generic name given to a service in which a small receiver emits a noise or "beep" on receiving a radio signal routed through a transmitter. In the UK the receivers, or pagers, either emit a beep or can have one, but more times as a short burst of sound.

The Post Office began to take a serious interest in paging in the 1960s—at the same time as the largest private message handling company, Aircall, also began investigations. At the time only hospitals had paging networks in Britain, though there were some city-based net-

works coming into service in the U.S. It was there where the Post Office's early market research was concentrated.

However, the U.S. experience differed substantially from what might be expected in the UK, and thus the corporation embarked on its own test area. Using U.S. equipment, it established a radiopaging service in the Thames valley in 1973. It proved surprisingly popular, there was no need to advertise the service, and research showed a 91 per cent acceptability rate. The first radiopaging network proper began in London in December 1976, with an initial order for 10,000 Multi-tone pagers.

Once again, it was found that paging caught on by word of mouth. The growth rate has been established at 20,000 a year. The Post Office is now building up its radiopaging exchange to a capacity of 160,000 lines, faster than planned. Multitones and Motorola have received £1m orders for pagers each, while Rediffon has received an order worth £250,000 for transmitters. The service is also to be extended outside London, first to Birmingham—by the end of the year—and then possibly to Manchester. Initially, calls in provincial cities will be routed through the London exchange's spare capacity. At the same time a GEC 4020 is investigating the parameters of the entire system.

The first Post Office radiotelephone service area was South Lancashire, where it opened in 1959. A service in London began in 1965. However,

these tentative first systems were replaced by a much more modern one in 1972, initially based on London, then moving out to a modernised South Lancashire system, and subsequently, from 1974 onwards, spreading to most of the major cities in Britain. Central Scotland, East Scotland (the most recent), Tyne and Wear, South Lancashire, East Pennines, Midlands, London and Bristol and South Wales are now all covered; a more or less national system is within reach. Calls can be made to, and received from, any telephone in the UK, in the U.S., Western Europe and more than 30 other foreign countries.

### Limit

The problem facing the Post Office administrators is that of frequency allocations in the capital. The corporation operates 55 channels on the 160MHz band, and with 3,500 sets operating in London it has reached the effective limit—as has every other radiotelephone service. Hence the central importance of the World Administrative Radio Conference (WARC) in Geneva later this year. London is not the only city so affected—a number of U.S. cities, notably Los Angeles, are also suffering from chronic airwave congestion.

However, the shortage of airspace has stimulated invention. "We can't get extra space from WARC, so we have to make do with what we have," says Mr. Frank Lawson, deputy director of

marketing at telecommunications headquarters. "For instance, we can get the spacing down, from 25 KHz to 12.5 KHz. That doesn't actually double the number of mobiles you can get on the system, but it does increase the number."

But the most significant step taken by the Post Office in the market over the past year, as far as the private suppliers are concerned, has not been what it has done itself but what it has allowed them to do. Up to June of last year private mobile radio-telephone operators, such as Aircall and Selective Audio Messages (now part of the Radio Communication Services group), could not switch their subscribers into the public network. Instead, messages had to be relayed back and forth by the operators.

In June 1978, after almost three years of negotiations between the Post Office and the companies' association, the National Association of Radio Communications Services, the corporation outlined the conditions under which licences would be issued. "We have wanted this to happen since 1972," says Mr. Lawson. "We have given them every encouragement, and continue to do so. The stumbling point was not the Post Office, but the Home Office, where they were concerned about the use of the spectrum. They were worried that interconnecting would overload the system. These fears have been resolved."

The companies are now making their preparations for adapting to the new order. "As far as we are concerned, we are

ready to issue licences once they come up with satisfactory equipment."

Mr. J. O. Stanley, chairman of Aircall, regards this breakthrough as a "great victory." Mr. Stanley, who is one of the fiercest campaigners against the Post Office monopoly, has now switched his attention to another area—the monopoly over facsimile transmission. Both he and others who oppose the monopoly—Sir Keith Joseph, the Conservative industry spokesman, and Mr. Frank Chapple, general secretary of the Electrical Electronic Plumbing and Telecommunications Union, have lined up against it too in the past year—will see in this a wedge to be widened.

There are no indications, however, that the corporation believes that the general principle of the telecommunications monopoly is incorrect. The fact that its marketing has become more aggressive has meant an apparent increase in self-confidence—further buttressed by substantial profits in the past two years, with a promise of more to come.

Mobile communications is a testing area in this context, precisely because of its rapid growth and the novel demands of the market. If the corporation can show that it can deal with these demands successfully, while allowing exceptions to the monopoly on a controlled basis, it will feel it has strengthened, rather than loosened, its dominant position. There are no signs that its nerve is failing.

J.L.

### PROFILE: MOTOROLA

# Impressive world presence

MOTOROLA, the U.S. group, claims it is the world's biggest electronic equipment and components manufacturer. As a measure of its size, in 1977 it had a turnover roughly equal to Iceland's Gross National Product and those sales of \$1.8bn were achieved with 60,000 employees compared to Iceland's 230,000 population. It is a high-technology, industrial and commercial electronics concern that operates through decentralised groups and divisions.

### Contracts

Today Motorola is the second-largest producer of semiconductors in the world after Texas Instruments. It is one of the leading suppliers of high-technology computer memories and microprocessors, and last year secured its future in the motor industry with two large contracts from Ford and General Motors for the development of microcomputer engine controls.

Motorola also ranks as the world's biggest two-way radio manufacturer, and is America's largest supplier of communications equipment. Its impact on the UK market has not been as

impressive, but understandably so.

After all, Motorola has been in the U.S. market ever since Paul Galvin began in 1928 with \$565 and five people to make radio battery eliminators.

Twenty-five years ago when Motorola entered the UK market its sole outlets were the police and military. Now its two-way radio products are sold in over 100 countries and Motorola has set up a manufacturing base at Basingstoke.

The new electronics headquarters and production centre has 50,000 square feet of factory and office space. It currently employs 200 and expects a further 100 will be recruited by the end of this year to take on extra orders.

Last year sales at Basingstoke rose by 80 per cent to around £6m and this year telecommunications sales are expected to increase by £4m. At this rate, Motorola spokesman says, "We will be able to take Pve on. Within the next ten years Motorola will be a serious contender in the UK telecommunications market."

It is acknowledged that Pve has the lion's share of the \$45m mobile radio market in Britain, something like a half to two thirds. Second place is disputed by Motorola and another major

group, Storno. Motorola claims it has surpassed Storno and is second in the mobile radio league with a 13 per cent share of the UK market. Storno, it claims, has around 10 to 12 per cent. But Storno, while it agrees with Motorola's analysis of its market share, says that Motorola has only 8 to 9 per cent of the market in Britain.

It is worth looking briefly at Motorola's group communications division. Worldwide communications sales last year amounted to \$450m—more than 40 per cent of the corporate total. Over the past 25 years, these sales have grown at an average rate of about 15 per cent. General Electric and RCA have combined sales only one-third or so as large and have narrower product ranges.

### Venture

Within Europe, Motorola's share of the \$200m radio communications market runs at a modest 10 per cent. It is in this light that the group's venture into the UK must be seen.

Last September, Motorola got a listing on the London Stock Exchange—seen as a clear indication of the company's intention to broaden its European base and to gain prestige. It was Motorola's first listing out-

side America and was not expected even then to herald a large amount of dealing in Britain. Most large institutional investors tend to deal direct with New York because it is cheaper.

On the eve of the company's listing, Motorola executives further illustrated their interest in the UK by announcing it intended to expand another of its divisions; the metal oxide silicon or MOS plant at East Kilbride in Scotland.

Motorola has been quick to seize opportunities in Britain. Among its big customers are British Rail and the Post Office as well as multi-nationals both here and in Europe.

In January Motorola's Basingstoke division won orders worth \$1m to supply the Post Office with radio-paging units and terminal extension equipment. The contract followed on the back of the already successful pioneering paging system established in the Thames valley since 1973. Motorola's Metrix pager is the latest in the company's pocket range. It is small and light and can be used to contact offices or homes merely by dialling the assigned number from any telephone.

One of the most powerful hand-portables approved for use in the UK is a two-way radio,

unit made by Motorola—the MX300 Handie Talkie. It is rugged and according to Motorola weighs less than a pint of beer.

British users will shortly have access to yet another development in the portable field: the RDX1000. It has a keyboard and takes data fed directly into a remotely located computer. The German CID is already using this equipment to transmit vehicle licence numbers to check on ownership or if the vehicle has been stolen.

Like its competitors, Motorola is determined to find a solution to the overcrowded frequency spectrum. A great deal of mobile radio's future growth depends on coming up with an answer and Motorola has invested in time, people and money.

Mr. Walter Stevenson is employed by the company as director of Government Liaison. He has been involved in electronics for as long as Motorola itself and is keen to point out to companies and countries the advantages of mobile radio and make them converts. "My belief," he says, "is that about 20 per cent of the world's population could benefit from land mobile communications."

CT.

# What the future holds

THE FUTURE of the mobile communications industry, and of the sector in general terms, depends on a host of factors, some within the control of the manufacturers, service and Government agencies, some largely outside it.

Included in the latter category is, of course, the economic health of the country. While it is true, as the industry stresses, that use of mobile communication can save fuel and increase efficiency, the capital outlay for a system is quite high, and the savings not immediately tangible. If the recent low-key forecasts of a comparatively depressed economy in the coming year prove correct, then the strong growth which the industry sees ahead could be slowed.

Against this, however, it is increasingly the case that communications, even of a type never before invested in by a company, are no longer regarded as optional extras but as a necessary purchase, especially if a competitive edge is to be maintained. This, coupled with the energy-savings potential means that the sector may not be as badly affected as others by a general downturn.

### Reasons

Also in the category of those matters largely outside the UK industry's control is the World Administrative Radio Conference in Geneva (WARC) later this year. It is extraordinarily important for the future, for a number of reasons.

- It will set standards and determine waveband allocation, in broad terms, until the end of the century.
- It will determine whether or not growth can re-start in congested centres such as London and the major U.S. cities.
- It will allow the developing countries a chance to get in on the airwave resource.
- Its decisions will stimulate innovation, specifically where

new methods have to be found to optimise the existing waveband allocations in a given area. Work on this kind of development has already begun.

● It will examine, presumably exhaustively, the possibilities inherent in the high and very high frequency bands, and should also investigate the use of wavebands which were allocated years—sometimes decades—ago, and are not now used. This is particularly the case for military frequencies.

Evidence to the Home Office, which is co-ordinating the UK approach to WARC, has been plentiful from the land mobile lobbies. In a document published by the Home Office last year, it gave a brief synopsis of its view. "Congestion in the land mobile bands will become particularly acute in the future owing to the increase in the demand for frequencies, especially for commercial purposes. The official view, which has had a measure of acceptance recently from land mobile interests, is that an additional 70MHz-80MHz will be required below 900MHz to satisfy the demand for civil land mobile services (which include private mobile radio, message handling, paging, and the public land mobile radio telephone service) up to the end of the century."

"This view is based on the calculation, supported by monitoring surveys and extrapolations of growth patterns, that the amount of the radio spectrum currently available for land mobile purposes will be sufficient to contain extra growth until 1985. The extra bandwidth proposed is intended to provide for the expected growth beyond 1985 up to the end of the century, taking into account the benefits to be expected from technical developments."

While the office is no doubt correct in saying that this represents a view of a number of the companies in the industry, there is also a strong opinion that more than 90MHz might be required. One manufacturer

argued for up to 300 MHz, while others argued for around 100 MHz. The wide variations in "estimating" requirements springs from the wide variations in forecasting the growth in the market, which is too recent to be settled. Moreover, more efficient use of channel spacing could provide extra capacity on the given allocation; a consideration which further complicates any future allocation policy.

### Agreement

There does appear to be general agreement, however, that if the land mobile bands are to be increased more than marginally, television broadcasting must move off bands I and II. A decision on their future has still to be taken. But as the Home Office document makes clear, the decision is not Britain's alone, since other European broadcasting services also use these bands. "Only when the WARC decision is taken will it be possible to know what freedom the UK will have to try to meet its mobile needs by national, or possibly regional, means."

There is a further element which is certain to be raised at WARC, though the Home Office has not yet, it seems, officially alluded to it. That is the future of Citizens Band radio, or CB, as its enthusiasts call it. CB is simply a two-way radio operated by an amateur, with two transmitters/receivers forming a system. It is widely popular in the U.S., is coming in in Germany, but is still illegal in the UK. A lobby is building up to maintain that it should no longer be.

The argument is based at least in part on market signals. There are a large number—some put it as high as 100,000—illegal citizen band radios already operating in the UK, either sold here or bought elsewhere, but usually in the UK. They are apparently especially popular with farmers who wish to stay in touch with tractor drivers in remote fields.

Since there is such a substantial black market, it is argued, why not legalise it and institute a proper system of licensing based on a MOT formula? Each set would need to be tested each year, so that it did not emit distortions and interfere with other more essential systems like ambulance, fire or police. Not only would the market be satisfied but a new industry created.

Officialdom has not yet pronounced, though its objections are well known. The U.S. experience has often been one of anarchy, it argues, with constant interference with urgent services and a widespread growth of the citizen band variation of obscene phone calls, often two-way (and often, it appears, enthusiastically even heard by others). CB still has some way to go before it has established its case.

In the industry and the marketplace, much will depend on the Post Office and the continued grant of exemptions from its monopoly, as well as on its own marketing success. Both it and the more advanced manufacturers and service organisations can easily foresee a time a few years away when the country will be covered with car telephone networks. Once again, the spectrum is—or is said to be—the largest limitation.

It seems, however, that one pet idea of the Post Office is unlikely to see the light of day for some years. That is pay phones on British Rail trains, a plan which is taken out and dusted at regular intervals but which is always found to be uneconomical and, the corporation argues, might not be very popular anyway. Many who take train journeys, it is claimed, do so partly to escape the telephone for a few hours. Since the cost of making a rail-call would be more than £1, it is unlikely they would change their minds on the journey.

J.L.

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## THE MANAGEMENT PAGE

EDITED BY CHRISTOPHER LORENZ

## How big companies respond to technological invasion

BY CHRISTOPHER LORENZ

ELECTRIC LIGHT, which this year celebrates its centenary, would have had a very different history if the massed ranks of the gas barons had succeeded in driving Thomas Edison into bankruptcy in the 1880s. They very nearly did.

Faced with the threat he posed to their very profitable existence, they introduced the nearest thing to a gas light bulb, the mantle. This was an innovation they had possessed for 50 years, but had never bothered to exploit because it would have knocked the bottom out of their traditional gas lamp business. Their last-ditch defensive innovation came within a hair's breadth of ousting the unwelcome intruder.

It was a similar story after the Second World War when, faced with the challenge of the diesel locomotive, made by General Motors—again an outsider to the established industry—the makers of steam engines quickly came up with an electric locomotive driven by steam turbines. As the world now knows, their rear-guard action failed.

These episodes, recounted by Dr. James Utterback of the Massachusetts Institute of Technology (MIT), epitomise some of the ways established industries respond to what he calls "technological invasion," the incursion of competitors' innovations. They also illustrate an all-important point for complacent managers, that the really dramatic innovation tends to come from outside the established industrial sector.

Given the current need for European industry to step up its rate of innovation—as a response to sluggish world

growth, the impact of micro-electronics, and increasing competition from the Third World—the presentations of Dr. Utterback and his MIT colleagues at a recent McKinsey seminar are of considerable importance for every businessman, whether his company is large or small, market leader or laggard, profitable or teetering on the edge of bankruptcy.

In particular, it sheds valuable light on the complex relationship between innovation in new products and new manufacturing processes, a question highlighted last week by a report submitted to the British Government by the Advisory Council for Applied Research and Development.

Working in MIT's Center for Policy Alternatives, Dr. Utterback has been studying how companies respond to technological invasion of their markets. The overriding tendency appears to be for them to do just the opposite of what they are now being encouraged to do by management consultants and the more enlightened governments.

Instead of withdrawing from the old technology and getting into the new, 32 out of 34 companies Dr. Utterback studied actually cut back the money they had been investing in new products, and ploughed it into the old.

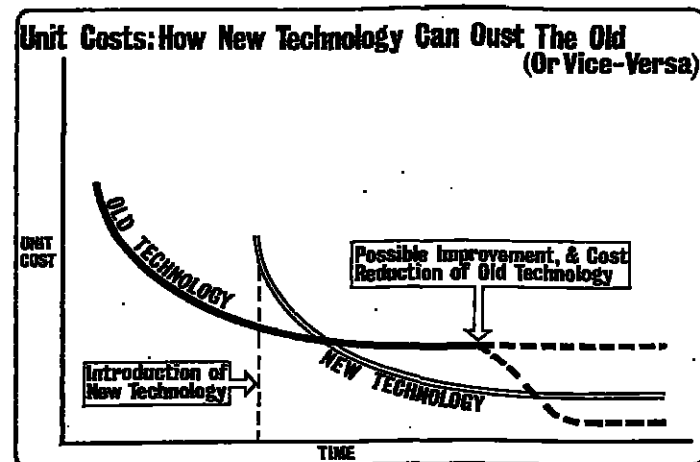
Dr. Utterback recognises the short-term logic of this. It produces a quick pay-off, since it spreads expenditure over a larger volume of production than in the case of the previous innovation project. But this

policy commits the company to a course from which it is economically difficult to deviate until it is too late, he says. The dilemma is illustrated in the graph.

This form of defensive strategy is natural enough, given that the average company with a hefty financial commitment to an established product line commits its best executives and technicians to furthering the success of that business, rather than diverting their attention to something new, untried and of as yet uncertain profitability.

This is particularly true of vertically integrated companies, says Dr. Utterback, since product innovation can involve changes at all levels of the firm, as Ford found to its cost when it came to replace the Model T. Such companies will therefore be tempted to stave off major innovations as long as possible.

Another understandable reason for caution lies in the past experience of many companies which have tried to respond rapidly to external innovative threats. By adopting what Dr. Utterback describes as the "wrong approach," many have come a resounding cropper.



How Dr. James Utterback of MIT sees the dilemma for companies in established technology, to begin with, the new technology has a high unit cost and may not seem a threat. But, as production volumes and competition increase, it quickly progresses down a "learning curve" and becomes much cheaper.

By then, it may be too late for the established company to move into the new technology. Equally, it may be too late for it to improve, and cost reduce, the old technology to make it competitive again (the lower of the two dotted lines).

price item, and aimed at a specialised market.

Such a strategy obviously helps to recoup development costs; less appreciated, but equally important, is that it does not over-commit production resources at a time when the design of the product is still undergoing rapid improvement.

But the vacuum-tube makers were used to a high-volume, low-price business, so it was natural for them to try to apply the same approach to transistors. They invested in process technology far too quickly says Dr. Utterback, so that they were "locked in," caught by the way their competitors quickly changed and improved their product designs.

So how should companies avoid all these mistakes? One of the most fundamental maxims propounded by Dr. Utterback and his MIT colleagues was that management should recognise that getting rid of part of one's business ("disinvestment") was not necessarily a sign of failure, just one's own part of the industrial restructuring which Europe, the U.S. and Japan must undertake if they are to remain competitive in the 1980s and beyond.

Seen in this light, Government policies aimed at propping up failing firms are dangerous. Dr. Lester C. Thurow, Professor of Management and Economics at MIT, warned that "if you 'buy' this policy, then you're buying the option not to increase your productivity."

Reinforcing the argument that disinvestment should be seen as a perfectly respectable exercise, Dr. Edward B. Roberts, Professor of the Management of Technology at MIT's Sloan School, pointed to the carefully-controlled rundown policies operated by Japan for what it calls "sunset industries"—often including their entire removal to "offshore" locations in Asia.

Of equal importance to successful innovation was an understanding of why many product innovations tend to come from outside the affected sector, and an attempt to adapt one's management style accordingly.

**Stimulated**

Product innovation involved combining "market inputs" and technology together in new ways, said Dr. Utterback. The inputs might not be new, but if relations within the company were relatively informal, and employees were encouraged to take risks, then people would be stimulated to make new connections between established ideas and techniques.

Process innovations, on the other hand, tended to come from within established industries, and as such therefore, proceed in a more orderly, step-by-step manner.

about product innovation for companies on the defensive was that the most important application of the innovation hardly ever turned out to be the use for which it was first developed, said Dr. Utterback.

He might have added that this is of some consolation to the defender, since its late start in the new technology can sometimes be turned to its advantage—provided, again, it does not wait too long to jump into the battle for the new. This policy of behaving as a "quick second," after someone else has made the most expensive mistakes, has been successfully followed by a series of large companies over the years, including IBM and parts of Philips.

But how should companies decide which promising innovations to pursue, and which not? Predictably perhaps from an MIT luminary, Dr. Utterback claimed that the frequently-propounded maxim of sticking to one's existing marketing and financial strengths—as a secondary importance compared with "diversifying round your technological core."

But several speakers at the seminar warned that successful research and development is only a small part of the successful management of innovation. "You can spend 18 per cent of your production on R. and D., but if you do not do about 40 other things right, you'll get nowhere," said Professor Herbert J. Hollomon, head of MIT's Centre for Policy Alternatives. He hardly needed to ram home his argument by pointing to the UK's long record of relatively high, but unsuccessful, expenditure on R. and D.



## Dynamic arbitration—a new tool of contract management

BY A. H. HERMANN, Legal Correspondent

THERE IS a pressing need to replace conventional forms of arbitration and litigation in respect of long-term development projects with a system of dynamic conflict administration. This means providing a system that enables adjustments to be made to a contract during its

life to meet changing circumstances. The need to settle conflicts as they arise, rather than adjudicate on them after they have already played havoc with the relations between parties, is apparent in many fields. Preventing conflicts from arising at

all is better still, of course. For trial by combat, so dear to bearded lawyers, is of little avail in settling the aftermath of a divorce and has not proved very successful in the field of industrial relations either.

As far as divorce and family matters—care of children in particular—are concerned, most legal procedures now do not involve a battle between two adversaries. National problems of wage-bargaining move much too often from the non-adversary straight to the mutually destructive phase but in the area of more localised industrial relations, concerning both wages and conditions of work, some countries have developed more satisfactory ways of dealing with the conflicts than others.

## Wider method

The resident arbitrator of large American corporations, paid half by the management and half by the trade union, is a very good example of application of the principles of preventative medicine to industry. Very similar needs exist whenever two or more parties agree to co-operate on the construction of a big factory, in a large

civil engineering work or in an industrial development entailing both infrastructure, plant and transfer of technology.

The Arbitration Bill now passing through its last stages in the British Parliament goes some way towards reducing the judicial legalistic nature of arbitration concerning international contracts (other than marine, commodity and insurance) by enabling the parties to contract out of the possibility of appealing against the arbitrator's award to the High Court. However, it doesn't go far enough; the opportunity seems to have been missed to legislate for a much wider method of sorting out conflicts than can be fitted into the present concept of arbitration. In particular, it is high time the idea was given up that arbitration procedure can be invoked only after the project has been completed—as laid down in the standard forms of British building construction contracts and also in many individually drafted contracts.

Arbitration held after the completion of a long-term project, often many years after the conflict and contract difficulties arose, is not much different from a post-mortem examination. It can sometimes establish whether

the patient died of natural causes, as a result of negligence, or was murdered, but more rarely does it establish who was to blame. It certainly cannot revive the patient.

In the same way arbitration held after the completion of a project can provide no help in removing the frictions and difficulties which, viewed from the best position, delayed the completion, and from the worst, made bitter enemies out of the parties who agreed on co-operation. Indeed, the apportioning of blame, which as in marriage, is usually equal, can make things even worse.

## Decisions

It is because of the nature of long-term co-operation contracts that many of future occurrences cannot be foreseen at the time when the contract is signed. Leaving earthquakes and vicissitudes of weather apart, political and economic changes may affect the project, as can technical problems arising out of absence of skills in the receiving country and industrial actions in the supplying country. Technical concepts on which the project or some of its parts were based may prove un-

workable and have to be changed.

All this calls for decisions which amount to the amendment or supplementing of the contract. It is of course best if the parties concerned can operate smoothly together and remove difficulties as they appear in a true spirit of co-operation without the need to have recourse to an arbitrator at any time.

Unfortunately, such smooth co-operation is not always achieved and it is therefore useful to provide in the original contract not only for a "post-mortem arbitration" but also for the development of the contract by an expert trusted by both parties. If such a person cannot be agreed beforehand, or there is some doubt that he will be available when needed, it may be useful to provide in the contract for his appointment by the Standing Committee of the International Chamber of Commerce.

This committee functions under a procedure adopted by the ICC in June 1978 entitled Regulation of Contractual Relations. A contract clause drafted with reference to this procedure will oblige the contracting parties to submit problems, as

they arise, to the arbitrator who will propose a suitable solution, not according to a legal interpretation of the contract but according to what is best for the completion of the project.

The parties to the contract can agree either that they will treat the proposals of the arbitrator only as recommendations, or that they will accept them as fully binding. If they go the whole way and agree on the binding nature of such arbitration they must pay attention to both the substantive and procedural provisions concerning such arbitration contained in the law governing the contract and the arbitration.

In most legal systems there is nothing to stop the parties to a contract empowering a third person to determine the specific nature of their duties under changing circumstances. There may be difficulties in the civil law countries, particularly in France, because of the fluid frontier between the determination of duties under a contract and a judicial function. The Italians found a way out by developing the institution of *arbitrato improprio* or *irrituale* which sets this sort of function apart from the ordinary, judicially conceived arbitration. The new British Arbitration Bill

would make such arbitration easier by enabling the parties to contract out of a judicial review by the High Court. English law also provides a good basis by requiring independence and neutrality in all quasi-judicial functions, such as that of certifiers, valuers and loss-adjusters.

## Uncertainty

In German law there is uncertainty whether the function of a third person empowered to amend and develop a contract falls under the substantive rules of the law of contract or under the procedural rules of arbitration. Some German authors tend towards the English concept of quasi-arbitration, which contains a mixture of both substantive and procedural elements. Also the Swiss law seems to be open to this possibility, in particular the New Civil Court Procedure, in force in Zurich since January 1, 1977, enables the arbitrator, if nothing else was agreed, to order the same interim measures of protection as can be ordered by a Zurich court. This of course does not provide a complete legislative basis for conflict administration but is a strong indication that even lawyers are beginning to see the light of day.

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## BUSINESS PROBLEMS

BY OUR LEGAL STAFF

## Short-term tax rules

On several occasions I have read in your columns (and elsewhere) of the special tax rules that apply to the first three and the last three years of self employment or partnership and of how a little judicious care is financially beneficial. Nowhere, however, have I read of the tax rules that apply if the whole business operation lasts for less than six years. Could you explain the situation please?

When the trade etc. lasts for less than six tax years, the commencement and cessation rules overlap. For example, the third year of the five-year trade would originally be assessable on the basis applicable to a third year (as explained in Mr. David Wainman's article "Self-employed joys" on October 21, 1978), but would eventually also be subject to the rules applicable to an antepenultimate year.

A two-year (or one-year) trade would inevitably be assessed on the current-year basis throughout its short life.

## Ownership of paid cheques

For some time I have been making inquiries as to the ownership of paid cheques, but have received evasive replies from the bank. Can you tell me please what is the legal position?

We cannot offer you any clear ruling in law on the ownership of paid cheques. Curiously enough it does not seem to have arisen for decision in the Courts. However on general principles of law the cheques would appear to belong to the Bank on which it is drawn, on the same principle as letters belong to the addressee.

No legal responsibility can be accepted by the Financial Times for the answers given in these columns. All inquiries will be answered by post as soon as possible.

**THE CLAN MCCANNY**

HELLO, YOU LOOK A BRIGHT LADDIE.. ER.. ER..

MCCERNEST.

ALEX MCCERNEST. I ONLY STARTED AT MCCANNY HAGGIES TODAY, MR. MCFLITYE.

YOU'LL NOT REGRET IT, LADDIE. IF YOU WORK HARD IT'S A GRAND PLACE TO BE!

DON'T WORRY, I'LL TRY MY HARDEST, WORK LIKE A BEAVER.

THAT'S THE SPIRIT BECAUSE THEY LOOK AFTER EMPLOYEES HERE. DID YOU KNOW THEY EVEN HAVE A—

YES, WHY ARE YOU SITTING IN MY CHAIR?

ANYTHING ELSE YOU'D LIKE TO KNOW?

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Scottish Provident Institution,  
Freeport,  
Edinburgh EH2 0DH



## LOMBARD

## Income tax and the low paid

BY COLIN JONES

THE LOW paid will always be with us. Even if their wage packets were to be boosted by productivity deals, by an agreement to trade higher pay against fewer jobs, or by bringing in a statutory minimum wage (which would simply price many low-paid workers out of a job and set off pressure further up the scale for differentials to be maintained), there would always be someone at the end of the line. Even if living standards were double what they are now, there would still be someone at the base of the pyramid.

So long as living standards are at their present level, however, it is hard to see why the low paid should be taxed as heavily as they are. This does not mean that a substantial increase in tax thresholds is the answer to the present round of claims from the lower paid. The Government will be hard put as it is to find ways of keeping its borrowing requirement to a manageable level without taking on this further commitment.

## Real earnings

But the present weight of taxation is not making it any easier to encourage moderation. As a recent article in the National Institute Economic Review showed, there is growing evidence of workers becoming more conscious of the effect of inflation on their take-home pay, after tax and national insurance contributions, and as a result of wage claims becoming more strongly motivated by a desire to achieve target increases in net real earnings.

There is no over-riding reason why tax thresholds should not fall over time as living standards rise. But the fall in tax thresholds in the last 25 years has gone far beyond adjusting for the rise in real incomes. In the early 1950s the threshold for income tax was pitched at a level which just about excluded the man on average earnings with two children under 11. Today, the threshold has fallen to a point where virtually every adult in full-time work pays tax. When the last tranche of child tax allowances goes in April, the starting point for income tax for the man with two children under 11 will be 32 per cent of average earnings if the Chancellor revalues the personal allowances in line with prices and 29½ per cent if he does not, as against 43 per cent two years ago. Thus, his wife will then be receiving £3 a week in tax-free child benefit. But

how many wage claims—from the low paid or anyone else—take account of that?

A low tax threshold is only one aspect. What distinguishes the UK tax system is the combination of a low starting point and a higher starting rate of tax. Last year's reintroduction of a 25 per cent lower rate has not altered the picture, as the table shows, especially if social security charges are included.

## Farical

The UK figure of £2,485 a year (£47.80 a week) is well within the bottom earnings "decile" (poorest tenth) for men. It is only fractionally larger than half average earnings, the point below which—because of the low paid—increases of more than 5 per cent were to be allowed at the start of the present pay round. It is well below the ceiling for family income supplement and other benefits. Indeed, because of the "poverty trap" caused by the overlap of the tax and social security systems, pay increases at this level of income can suffer a marginal tax rate, including loss of benefits, of close to 100 per cent or more.

What makes the situation farical is the fact that the tax and social security systems are now the principal cause of the growth in the civil service. Yet most Chancellors have flinched from a really substantial increase in real tax thresholds because of the revenue they would forfeit. This is yet another example of the way in which the public sector's hunger for resources gets in the way of a sensible approach to tackling our problems.

**WHO PAYS TAX AT 40%?**  
Gross income with a married man with 2 children under 11 starts paying tax and social security contributions at a marginal rate of (or near to) 40%: 1978-79:

Income	Marginal rate
Japan	43.330
France	39.760
Canada	28.465
USA*	17.100
West Germany	16.190
Luxembourg	15.855
Italy	14.460
Australia	9.230
Belgium	7.920
Sweden	6.090
Denmark	4.775
Netherlands	5.140
UK	2.485

\* France 1977. \* Tax at 33% and NIC at 6½. 1 State or local income taxes may also be payable.  
Source: Hansard, Vol. 960, col. 512-516.

THIS MISERABLE winter is leaving us all with the prospect of a busy spring. Until the weather clears and the ground dries, there is not much that you and I can usefully do. Like many observers of Iran, we gardeners believe that things with us too will eventually resolve themselves and allow us to get on with the job. It will not be quite the same job, as much has been lost on the way through. After a long fight, my myrtles have at last gone down to the frost. There are holes in the rosemary, gaps in the lavender and no signs of life in my prize ground-cover plant, a white South African daisy which has objected to a dry autumn, then a deluge and now frost.

We can close it, again in England, with Repton's Red Books and feel that we know very well what grand gardens tried to be in the one country which had any clear ideas on the matter during this period. But that does not answer the question. Most of these grand parks were not really gardens at all.

## Cheered

Somebody wrote to tell me that this column was the one thing in the newspapers which cheered him up. He must have read it in an untypical week. Were gardens, however, always such a gamble and a source of despair?

I have often wondered what gardens really looked like, before, say, 1840 and the flood of new plants which were covered in the East. I exclude the bold landscape gardens, for we all know their outlines, if only from the few original

parks which have survived the plough and the elm disease. We can still begin the 18th century with a tour through the prints of Kip and his country-seats. There is far more history and contemporary plans or aspirations in these fine views than many, to date, have allowed.

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Repton allowed for only a few plants and flowers near most of his houses. The country seat gives us little idea of what lesser gentlemen actually grew. I have grumbled so much at this that I have grumbled and that nothing better could ever be expected. To my grief, I now find a humble source which shows how such grumbles can not always have been in order.

For, it is still possible to see into an earlier 18th century garden and follow its flower right round the calendar. While waiting to finish our winter planting and to count the costs of the frost, I would like to alarm you with the seasonal list

of plants to be found in the garden of one Thomas Fairchild back in February, 1723.

There are other early calendars of flowers, but they are either too dull or too idealised. There is nothing quite like Fairchild's list. European gardens had long been richer in monks and evergreens

hybrid, and wrote a masterly paper on the circulations of sap. There is no European contemporary who shows quite such a practical training and base for his gardening interests, nor is there any such index to the gentry's flowers of that date.

Sitting through historical films, I have often wondered

## GARDENS TODAY

BY ROBIN LANE FOX

whether the garden plants in the background are in keeping with the scene. Mr. Fairchild gives us a clear standard. He also puts me to shame. Perhaps 1723 was not a chilly year, but in February, he lists such a range of flowers in his garden that I doubt if many, now, could match him, least of all in 1979.

Double and single snowdrops, green-flowered hellebores, and white-flowered Christmas roses are still on general release. But who has a double stock of several colours in flower nowadays in February? I presume that Fairchild raised them in pots under glass, for his list of February flowers includes oranges and

whether the garden plants in the background are in keeping with the scene. Mr. Fairchild gives us a clear standard. He also puts me to shame. Perhaps 1723 was not a chilly year, but in February, he lists such a range of flowers in his garden that I doubt if many, now, could match him, least of all in 1979.

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anana's or pine-apple fruit, both plants the stocks resembled our sugar-sweetened bromeliads. Forged for their scent as pot-plants, they are an idea worth reviving from 1723.

One or two names are more elusive. Venetian vetch and caryophyllus make one hesitate. There is no mistaking the 20 sorts of crocus, an amazing range of 40 different narcissi, dwarf almonds and the pretty white wallflower with double flowers. These double wallflowers are another loss, quite the last thing we expect to cheer up a modern February. Muscary hyacinth is a charming name for our less romantic grape varieties. Sweet-scented, and spring excitement make one hesitate. All these were flourishing in days when London's suburbs were anything but a smokeless zone in winter.

Daphnes were a reliable stock. We would do well to remember them, not just the upright bushes of the fickle mezeuron with heather-form flowers, but the fine white form with greenish centre and neglected laurel, or the daphne laureola, whose quiet green-yellow flowers are so easy and interesting in a sweetly-scented way in any half-shaded corner or space under trees. I like its smart evergreen leaves

## Forgotten man

On October 10, it will be the 250th anniversary of Thomas Fairchild's death. He is largely forgotten man, but he has something to say to gardeners. In his way, he is also the first known gardening journalist. He has a lot, then, to answer for. But a reading of his garden month by month will persuade you that himself, he is not at all a man to be regretted.

## Good prospects for Ascot eleven

IN SPITE of the absence of Night Nurse and Gaffer the Reynoldstown Chase at Ascot this afternoon should be quite an event for the 11 runners including Border Fort and General Branca.

The first-named, although a well-beaten third behind Tragus and Roller-Coaster in Fontwell's

trip from Greystoke after a fluent Ayr success over London Gay.

Half an hour before the Reynoldstown, Diamond Edge, a stable mate to that chaser of the moment, Gaffer, will be a popular choice for the Whitbread Trial Chase. The Honourable Lord gelding who might now be bidding for a seventh successive victory but for a mistake which unseated his rider in Cheltenham's Fred Withington Pattern Chase 14 months ago, has already obliged on three occasions this term.

A six lengths winner of a handicap at Devon and Exeter on December 15 Diamond Edge then took advantage of a stone concession from Master Spy in the Green Highlander Chase at the last meeting here before getting the better of Alorton at a difference of only 3 lb in Sandown's Leisure Caravan Chase.

Although he was all out to make the night difference Diamond Edge undoubtedly put up a smart performance as is supported by the fact that Master Spy (whom he was re-possessing on 6 lbs worse terms than in

the Green Highlander) was left trailing 15 lengths back in third place.

There is little reason why Master Spy should make up that leeway on 6 lbs better terms and it is probable that Valiant Charger will provide a far stiffer test.

Fred Winter's good-looking Light Brigade eight-year-old, a narrow conqueror of Albury Lad and Fisherman's Cot in the second half of last season, impressed me tremendously with his 10 lengths Kempton success over Shifing Gold on Boxing Day before he blotted his copybook with an out of character blunder at the 12th in the Green Highlander.

In what should be a closely fought affair the Uplands representative may be just good enough to take advantage of the 7 lbs he receives from his neighbour Saxon House rival.

**ASCOT**  
12.55—Cheltenham  
2.00—Orangeman  
2.00—Stopped\*  
2.30—Rodman  
3.00—Valiant Charger\*\*\*  
3.35—Border Fort\*\*  
4.10—Ramrod

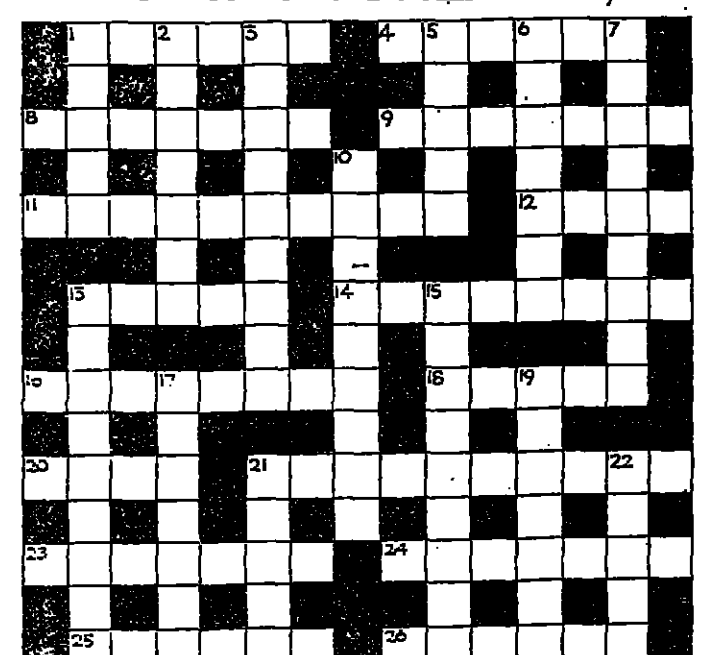
## TV/Radio

\* Indicates programme in black and white

## BBC 1

6.40-7.55 am Open University (Ultra High Frequency only). 9.38 For Schools, Colleges 10.45 You and Me, 11.00 For Schools, Colleges, 12.45 pm News, 1.00 Peppercorn, 1.45 Fingerbobs, 2.01 For Schools, Colleges, 3.53 Regional News for England (except London), 3.55 Play School, 4.20 Touché Turtle, 4.25 Jackanory, 4.40 Take Hart, 5.00 John Craven's Newsround, 5.05

## F.T. CROSSWORD PUZZLE No. 3,897



- ACROSS**
- Summary to begin again (6)
  - Isolate one left in sand (6)
  - Horse that should make a flying start (7)
  - Soldier and airman half fear ruminant (7)
  - Leader with powerful following is obstinately self-willed (10)
  - Dilute gas in can (4)
  - Sudden fright from vessel I captured initially (5)
  - Upside joint or maybe a blow (8)
  - Search for a viewpoint (8)
  - Cook in right oven (5)
  - Meat to cut up (4)
  - Fellow in table is to be forgiven (10)
  - Regret giving soldiers more round the south (7)
  - D'wear around river-head and gloss over it (7)
  - They accept alternative explanation (6)
  - Dog that should be true to type (6)
- DOWN**
- Pass a rope through bird (5)
  - Substitute to tolerate at home (5-2)
  - Must accept gas before pain from facial growth (9)
  - Music from southern side of stage (5)
  - 6 Apt to be seen in strange road making electrical connection (7)
  - Devout leader if going down and up before formal worship, could be hard to please (8)
  - Spontaneous music heard in church (9)
  - Writing material for church people in part (9)
  - Fire in side where vicar lives (9)
  - Imagine having to stand after drink (7)
  - Opposed to a win on the way (7)
  - Problem for a model (5)
  - Miss direction, like the also-ran? (6)
- Solution to puzzle 3,896**
1. SUMMARY  
2. ISOLATE  
3. FLYING  
4. SOLDIER  
5. LEADER  
6. DILUTE  
7. FRIGHT  
8. BLOW  
9. SEARCH  
10. COOK  
11. MEAT  
12. FELLOW  
13. REGRET  
14. D'WEAR  
15. THEY  
16. DOG  
17. PASS  
18. SUBSTITUTE  
19. MUST  
20. MUSIC  
21. FIRE  
22. IMAGINE  
23. STAND  
24. OPPPOSED  
25. PROBLEM

## RACING

BY DOMINIC WIGAN

Peter Duncanson Memorial Trophy on January 22, will, I am sure, go well. Andy Turnbull's Marlborough seven-year-old, who had made rapid headway to put himself in a challenging position behind Tragus with a mile to go, looked the only threat to the Bury St. Edmunds gelding when losing all momentum with a blunder at the fifth from home. If, as I anticipate, he suffers no similar lapses of concentration Border Fort should prove too experienced for the twice-raced Gordon Richards rider, General Branca, who has been sent on the 800-miles round

6.30 Reporting Scotland, 11.35 News and Weather for Scotland, Wales—2.18-2.35 pm I Yagolion, 5.05-5.25 Billdowner, 5.35-5.50 Wales Today, 6.45 Heddidi, 7.05-7.25 Ar Y Brig, 11.35 News and Weather for Wales, Northern Ireland—3.53-3.55 pm Northern Ireland News, 5.55-6.00 Scene Around Stix, 11.35 News and Weather for Northern Ireland, England—5.55-6.20 pm Look East (Norwich); Look North (Leeds, Manchester, Newcastle); Midlands Today (Birmingham); Points West (Bristol); South Today (Southampton); Spotlight South West (Plymouth).

## BBC 2

7.05-7.55 am Open University, 10.45 Gharbar, 10.45 Paresol, 11.00 Play School, 1.50 pm Radio 4 from Ascot, 4.50 Open University, 6.55 Top Table, 7.30 Mid-Evening News, 7.40 The World of Rugby, 8.05 Man Alive, 8.55 Sportsnight, 10.15 The Risk Business, 10.55 Tonight, 11.35 Weather/Regional News, All Regions as BBC-1 except at the following times: Scotland—11.00-11.20 am and 2.10-2.35 pm For Schools, 5.55

## LONDON

9.30 am Schools Programmes, 12.00 Clappa Castle, 12.10 pm Daisy, 12.30 The Cedar Tree, 1.00 News, plus FT index, 1.20 The News, 1.30 Sport Desk, 2.00 After Noon Plus, 3.20 Kitchen Garden, 3.50 Letter by Letter, 4.20 How, 4.45 The Book Tower, 5.15 Little Vic.

## GRANADA

1.20 pm This is Your Right, 2.00 Live from 2, 3.10 News, 3.20 Granada Reports, 3.30 Give Us A Cue.

## Radio Wavelengths

**1** 125kHz/270m  
**2** 91kHz/330m  
**3** 10.2kHz/297m  
**4** 200kHz/1500m  
**5** 10.2kHz/297m  
**6** 10.2kHz/297m  
**7** 10.2kHz/297m  
**8** 10.2kHz/297m  
**9** 10.2kHz/297m  
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**25** 10.2kHz/297m

## HTV

1.20 pm Report West Headlines, 1.25 Report West Reading, 1.30 Crossroads, 6.00 Report West, 6.15 Report Wales, 6.30 Emmerdale Farm, 8.00 News, 8.15 News, 8.30 News, 8.45 News, 9.00 News, 9.15 News, 9.30 News, 9.45 News, 10.00 News, 10.15 News, 10.30 News, 10.45 News, 11.00 News, 11.15 News, 11.30 News, 11.45 News, 12.00 News, 12.15 News, 12.30 News, 12.45 News, 1.00 News, 1.15 News, 1.30 News, 1.45 News, 2.00 News, 2.15 News, 2.30 News, 2.45 News, 3.00 News, 3.15 News, 3.30 News, 3.45 News, 4.00 News, 4.15 News, 4.30 News, 4.45 News, 5.00 News, 5.15 News, 5.30 News, 5.45 News, 6.00 News, 6.15 News, 6.30 News, 6.45 News, 7.00 News, 7.15 News, 7.30 News, 7.45 News, 8.00 News, 8.15 News, 8.30 News, 8.45 News, 9.00 News, 9.15 News, 9.30 News, 9.45 News, 10.00 News, 10.15 News, 10.30 News, 10.45 News, 11.00 News, 11.15 News, 11.30 News, 11.45 News, 12.00 News, 12.15 News, 12.30 News, 12.45 News, 1.00 News, 1.15 News, 1.30 News, 1.45 News, 2.00 News, 2.15 News, 2.30 News, 2.45 News, 3.00 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## New York Music

## by ANDREW PORTER

Both Varèse's *Intégrales* and Webern's *Six Pieces* were vividly done. They were not like Boulez performances—sounds set out carefully and exactly in space and time—but *projected*. There was more colour in the orchestra's playing than there has been for a long time. For the programme, when a new Boulez work originally scheduled was not ready in time, Mehta adventurously billed the American premiere of Peter Maxwell Davies's symphony. The performance was not as exciting, picturesque, or committedly energetic and loving as Simon Rattle's with the Philharmonia, but it was ably and professionally executed, and during the run of the four performances the Philharmonic players sounded the long melodies and bright colours with increasing eloquence.

Mehta seems to be at his best when a difficult new score challenges his competence and claims all his attention. In the

Youri Egorov, the 24-year-old Russian émigré pianist now living in Amsterdam, was heralded with yucky publicity as the boy who wasn't even placed in the Van Cliburn competition, the youth whom women fantasise about hugging. I went expecting little more than a pretty face and fleet

A new organisation, the Society for British Music, is doing a series of five chamber concerts with Bax as the central

Finally, cellists, Nathan Rosenzweig and Chaikovsky prize winner, Abraham Goodman House, just north of Lincoln Center with a big, golden tone. Colin Carr, the young British cellist, was hailed a stunning performer. "I didn't hear him, because I was at the Guggenheim that night," says Zuckin (son of Felix Slatkin the conductor and Eleanor Slatkin of the Hollywood Quartet; brother of the rising young conductor Leonard Slatkin) impressed me mightily when one evening I dropped into my local church—not as a critic, just to hear some agreeable chamber music—and heard Schumann's *Ständchen* and *Die zwei Sänger* as if they were written for him. Schumann's pen, Zuckin plays with passion that isn't spurry, a big tone that isn't fat, and a line that holds one intent. Kodaly's Duo and Mendelssohn's C-minor Trio showed his sensitivity as a chamber player, taking as well as giving colour.

In its telecine, it is said, will be a chat show costing £2m a year; videotaped at 6.00 in the evening for transmission at about 10.45 the same night, recorded somewhere in the centre of London, possibly a hospital lecture theatre, so that West End stars will be able to participate. There are to be no studio or broadcast unit detached permanently for the job, and to include live audiences and a band. Michael Parkinson will launch the series, though other chairmen might be introduced later. Showmen are being told for the theme on the sixth floor of Television Centre is "The Entertainment Centre".

Now there is nowhere in the world that rumour travels faster than within the headquarters of the mass communications media themselves. If you think the gossip-mongers in your office or factory develop remarkable efficiency when it comes to passing on tittle tattle, just imagine what an entire staff of dedicated professionals can do at the BBC.

Their stories may be scare-mongering, or at any rate exaggerations. Certainly on the management side the attitude is that no such precipitate action is going to happen, that the would never suggest a formula which entirely abandoned serious daily current affairs, that even if they did the Board of Governors would not stand for it, and that not all chat shows have to be mindless. The man most often mentioned as a potential editor for the chat series is Derrick Amoree, and he says that his exact role is in news and current affairs programmes such as *24 Hours* and not in the Light Entertainment Department which makes *Parkinson*.

However, it is also true that inside the BBC's Current Affairs Department a considerable number of staff are now convinced that *Tonight* will indeed be scrapped. They believe that even if Denis Tuohy and the rest of the team do turn up in some transmogrified series on BBC2, the long term effect will be a reduction in serious and really topical current affairs coverage.

Perhaps time will prove them wrong. But even that possibility does not reduce the significance of their present alarm and depression considered as a symptom. Why should a body of experienced and mature broadcasters be so ready to accept that BBC management is intent upon cutting back serious programmes in order to increase



**Michael Parkinson**

**Denis Tuohy**

the shortage of money, disregard from Westminster, disapproval from Whitehall, unparalleled commercial success from their ITV competitors, and so on. The temptation of BBC programme controllers to scamper down market and prove that at least they can still amass ratings—even if it does mean organising *Shore Halfpenny Superstars Phone In*—must be as clear to them as to anybody.

Perhaps some of them, however, expect their top brass to resist such temptations. Perhaps they still believe that one of the duties issuing from the privilege of licence fee finance is that of sustaining a reasonable supply of serious programmes, including regular current affairs.

Yet when those BBC staff narrow their examination of programmes from the general to their own particular area they presumably feel even more dispirited. Four months ago the excellent early evening BBC2 series *Neknews* was scrapped amid protests (not least from this column) that time for serious current affairs was being lost. Not so, said the BBC, it would be replaced by a whole collection of separate specialist series on different days of the week.

Looking through the schedules now you find that in place of *Newsday* every night from Monday to Friday, you are offered *Newsweek* on Thursday and the weekend series *On The Record* and *Assignment*. It is conceivable that this is preferred by BBC management since they now have three neatly predictable programmes with seven-day preparation periods instead of five unpredictable and free-ranging editions of *Newsday*, mostly with the more days run-in. But any intelligent viewer will see the new arrangement as markedly inferior and to him it will certainly appear that, as forecast, time for serious current affairs has indeed been lost.

Nerdsday having been successfully spirited off the air and disposed of without much fuss, it may be announced come the autumn when BBC1 gets its new chat show that BBC2 will launch a new current affairs series on weekdays—called *24 Hours* perhaps, or even *Tonight*. The number of people who will notice that the BBC will thus have managed in less than 12 months to get rid of its current affairs series by 50 per cent will probably be about one-tenth of the number watching *Blankety Blank*.

Of course with ITV's *Weekend World*, *TV Eye*, and *World In Action* out-gunning the BBC by then, and with the BBC in its second infancy concentrating increasingly on *Intergalactic Ludo/Super Duper Stars*, the question will be: is there any point in retaining a licence-fee financed broadcasting system at all?

## by CHRIS DUNKLEY

## Half Moon

by B. A. YOUNG

*Heart of Darkness* is one of the three stories in Conrad's *Youth*, and was written just at the turn of the century. It is a tale depending as much on atmosphere as on action, though there is action in plenty. It begins in London and moves via the Continent to the West Coast of Africa and the River Congo (though Conrad never names it specifically).

Marlow, the narrator, is skipper of a little stern-wheeler plying between the stations of a trading company. He is fascinated by the legends attaching to Mr. Kurtz, in charge of an up-river station. Mr. Kurtz (whom readers of Eliot know from the epigraph to *The Hollow Men*: "Mr. Kurtz — he dead 'ye"') is a mystery man. He sends down more ivory than anyone else, yet hardly anyone ever sees him.

When Marlow arrives, he is only just in time to take the sick Mr. Kurtz away, but he learns a lot about him. He has organised a raid on the steamer because he doesn't want to be taken away. He is on good terms with the local tribe, and uses them to raid the countryside. He is a man of culture and a poet. Yet it is an essential part of the narrative that he should never emerge clear and firm.

Though this is all the plot, it's by no means all the story, for Conrad fills it out with a vast amount of incidental detail, all conscientiously included by the anonymous adapter. We have a rhapsody on the Thames, the first sickening sights of the coast station, sketches of the white traders, the difficulty of doing repairs, the attack by the natives from the river-bank. Having just read the book, I found no trouble in following



the tale and identifying the dozen or more characters played with only a modicum of characterisation by the company of four. I found it exhilarating. But I am not sure that I should have done so without prepara-

tion, though the quartet—Alan Butler, Eugene Lipinsky, Philip Osment, and Lizzie Queen, directed by Les Davidoff—do their utmost, and Mick Bearish's protean set serves every requirement.

If, as suggested in the programme, the company believes that the story is aimed against colonialism, I think they are mistaken. Colonialism had hardly begun. Conrad's target was the traders, and no doubt

**Philip Osment and Lizzie Queen**

he chose the Belgian Congo because there colonialism and trading were much the same thing. But the unspoken dictum that the story has for me is that traders may be bad but colonial administration would bring what

Mr. Kurtz was supposed to be bringing pity and science and progress, though he had found that rival pressures stood in their way.

In any case, the moral is not pressed too hard.

## Arts, Cambridge

Michael Cristofer's Pulitzer those they leave behind

**Michael Cristofer's Pulitzer Prize-winning play** is evidently inspired, or rather prompted, by the studies of a group of American theology students into the business of terminal illness. The scene is an out-post of a large hospital in North Carolina, where an interviewer wanders between three comfortably furnished cottages. Each cottage is inhabited by a dying patient, and the general idea is to show how they face up to death in the company of their loved ones.

None of this is attended by  
Aynckbourne spliced narrative.  
We just move, rather sleepily,  
from one little group to another.  
There is fast Joe (Thick Wilson)  
and his visiting wife and son,  
quabbling about the weather  
and the (Sheila Allen)  
inability to accept the truth:  
there is wheelchair-bound,  
blind old Felicity (Madge Ryan)  
whose spinsterish daughter  
reads fictional letters to her  
from the other daughter who  
is dead, and who is  
fabled writer (Anthony Bate)  
accompanied by a young boy-  
friend (James Aubrey) and  
descended upon by a drunken  
lush of an ex-wife (June  
Richardson).

those they leave behind, although Joe rages on for a brief while about not understanding WHY. If this piece won the Pulitzer Prize, I shudder to think what the competition was like. Clearly modelled on Thornton Wilder, the play represents a strain of American playwrighting that has never quite been exhausted, however threadbare and old-fashioned it now seems. It is as though Mr. Cristoforo has parked in an abandoned railway siding while the streamlined locomotives of Shepard, Babe, Rabe and Yamae on

The writing is full of such self-conscious devices as the linking interviewers that initially suggest a Wilderesque distancing technique but are dropped quite arbitrarily as the characters begin to develop heavy silences between them. The language is stilted and plodding to a degree, culminating in an embarrassing litany of incoherent phrases scattered around the stage. "This is my life . . . what you believed in . . . not me . . . this pain . . . these children . . . these eyes . . . yes . . . yes . . . yes . . . this moment."

The director, for the Cambridge Theatre Company, is Jonathan Lynn.

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## Next steps on bargaining

THE "CONCORDAT" between the Government and the TUC on pay and industrial relations has been greeted with a good deal of scepticism in some quarters. It does not address itself to the immediate crisis over public service pay rates, and falls back largely on platitudes on the issues of pay and productivity generally. The advice offered to unions on the conduct of disputes and picketing is seen as a barefaced attempt to outbait the Conservatives. This underestimates the positive possibilities of what is admittedly a modest proposal. In conjunction with the CBI's revised thoughts on the reform of labour relations, it does help to point a way forward.

## Problems

What neither document does is to propose a new magic formula for a voluntary incomes policy. This may be regretted by those who wish that complex problems would quietly go away, but it is surely realistic. Repeated experiences have shown that in this country at any rate central pay determination for the whole economy creates in the long run more problems than it solves. In the short run, Ministers still tend to talk as if the past years of "voluntary" restraint were an unqualified triumph, and that all our current problems are due to its breakdown. It is nearer the truth to say that restraint had already been defeated pretty effectively in Stage Three, when the private sector in particular found a multitude of loopholes, and that we are now suffering the accumulated problems of three years of rigid norms, which in the third year were applied patchily. In this respect the TUC may be wiser than its political allies.

In place of norms, both the concordat and the CBI look to an annual economic discussion, modelled roughly on German practice. The TUC would like the discussions to involve the Government, and embrace the distribution of incomes in general—in other words, to institutionalise the old-model social contract. The CBI has more modest aims: the discussions should be an agreed assessment of the economic prospect, with alternative projections of pay, prices and growth. The aim would simply be to influence expectations, and the Government would play no part.

There may indeed be a useful role for some such discussion, especially if it helps the inflation rate of the current year becoming the basis for the next

round of pay claims; but it would be dangerous to expect too much of what is essentially a talking-shop, and positively objectionable to stage an annual tripartite debate on the whole of economic policy. What works in Germany, after years of rapid growth and low inflation, may not work at all here.

Indeed, all the pains discussion in the documents of rationality, relativities and leap-frogging overlooks what may well be going right in the current pay round. There have been bitter disputes in restricted sectors, made much worse by the fact that every claim is seen as a direct challenge to the Government; but outside these battlegrounds, there has been some welcome evidence of realism. This is evident not only in the refusal of workers at Vauxhall, Leyland and British Steel to follow a militant lead, but in a considerable number of private sector pay settlements. The evidence suggests that competitive pressures, intensified by tight monetary control and a strong exchange rate, do influence the shop-floor in industries exposed directly to the market. The problem is to spread the effects of this rationality, not to substitute for it the staging of an annual forum.

In this respect the CBI's repeated proposals for the reform of the bargaining round are very much to the point. If private sector bargaining could be largely complete before April, the setting of cash limits could be based on a realistic assessment of revenue prospects rather than on economic modelling—or, as this year, on sheer wishful thinking. This would provide a reasonable economic background for the public sector round. Following the lead of the private sector might not be a fully effective policy for reducing inflation; but it is almost certainly preferable to trying to reduce the average of pay increases by discriminating against the public services. The

Constructive

The TUC's draft does not rule out such ideas, and this is welcome; and the guidelines offered are based on a realistic assessment of the economic prospect, with alternative projections of pay, prices and growth. The aim would simply be to influence expectations, and the Government would play no part.

There may indeed be a useful role for some such discussion, especially if it helps the inflation rate of the current year becoming the basis for the next

PRESIDENT CARTER could hardly have been more deferential at his Press conference here on Monday if he had been addressing the Mexican Cortes.

"A decision on how much to explore, produce and sell oil and natural gas is a decision to be made exclusively by the Mexican people. We are interested in purchasing now, and perhaps in the future, even more oil and natural gas from Mexico... but we have no inclination to force them to give us a special privilege, nor to do anything that would be damaging to the well being of the Mexican people."

Coming from the leader of a country which, for generations, has treated its southern neighbour with a combination of heavy handedness and downright contempt, the sentiment is noble. Moreover it is fair to say that Mr. Carter means what he says and is not merely grovelling to get a slice of the Mexican energy pie.

After all, the first two foreign heads of state to be invited to Washington in Mr. Carter's term were President Jose Lopez Portillo of Mexico and the Canadian Prime Minister, Mr. Pierre Elliott Trudeau, in what the U.S. President saw as an essential gesture towards forging better and more equitable relationships in the North American Continent. Mr. Carter even began taking Spanish lessons to reinforce his commitment.

But nobility, no matter how genuine and diplomatic may cut little ice these days, for Mr.

Carter's three-day visit to Mexico, beginning today, comes at a time when the U.S., deprived for the foreseeable future of Iranian oil imports, is faced with an energy crunch of its own and cannot but look south of the border for partial fulfilment of its needs to a country whose energy reserves may rival Saudi Arabia's. Senior Congressional leaders, such as Senators Frank Church and Edward Kennedy, are pressing the President to conclude an energy deal with Mexico, the state of Alaska is proposing a complex oil and gas swap which would send North Slope crude from Alaska to Japan and Mexican oil to the energy-starved eastern U.S., while uninformed American public opinion is wondering why the U.S. cannot exert its traditional hegemony over its still impoverished Mexican neighbour and get what it wants.

It may not be so easy, for there have been strains in U.S.-Mexican relations over the last two years that have aggravated Mexican mistrust of the U.S. and induced to new efforts towards nationalism and protectionism towards domestic natural resources. In 1977 Dr. James Schlesinger, the U.S. Energy Secretary, angered the Mexicans by trying to browbeat them into a natural gas deal at well below their asking price.

Oil and gas are not the only source of friction. U.S. policy towards illegal Mexican immigrants, of whom between

600,000-800,000 cross the border each year—is a persistent thorn in Mexican sides. The Americans' concern is understandable, but Mexico, which sees emigration as a safety valve against local high unemployment as well as a valuable source of repatriated earnings (in excess of \$800 a year), is deeply suspicious. It believes that Mr. Carter's immigration plan of 1977 was a naked political payoff to American organised labour, that it was drawn up without prior consultation, and has been abrasively and unsuccessfully enforced.

Mexico is also convinced that its winter vegetable exports are unfairly discriminated against by the arbitrary practices of southern U.S. agricultural interests and has complained that new laws governing foreign bank lending are equally unfair.

Such ill-feeling, as Canada well knows, frequently goes with the intimate ties between

neighbours sharing such a vast common border. The Mexican connection with the U.S. is close: Mexico is the fifth-largest trading partner of the U.S. with two-way commerce worth over \$900 a year; the U.S. supplies 60 per cent of all Mexican imports and buys 70 per cent of its exports; U.S. direct investment in Mexico is worth more than \$300, while U.S. banks hold at least \$11bn in Mexican loans and credits. This was clearly uppermost in Mr. Carter's mind when he said that he was going to Mexico to try to reach a better general understanding of mutual problems, in which framework specific actions and decisions could be taken.

But the bottom line is energy. Mr. Carter will not, on this trip, be negotiating an energy deal. Perhaps from deference to Mexican susceptibilities he will not even be taking Dr. Schlesinger with him—though he will be accompanied by Congressmen from Texas, an oil and

gas state north of the border with close Mexican ties. But Mr. Carter is bound to explore Mexican attitudes towards the export of natural gas, in particular, which seem cloaked in ambivalence in the wake of the failure to conclude a contract in 1977.

Some American experts believe that Mexico has no alternative but to sell its gas to the U.S., and that it is already dithering over what it cannot use itself. Mexico says this is untrue and that its rapidly growing population and industrial development will consume domestic production. Under Mr. Carter's original energy plan American gas production is to be accelerated, but the Iranian shortfall, as Dr. Schlesinger half admitted last week, may have changed the equations and created a need for external gas supplies.

Oil may take longer to come on stream. The principal American interest at present

seems to be to dissuade Mexico from formally joining Opec, though there is a realisation here that Mexico is probably bound to charge world market prices for its crude; it would, of course, also help the U.S. if Mexico were to supply Israel with enough oil to compensate for the resumption of its supplies of Iranian crude, since the U.S. is committed to provide Israel with oil it cannot obtain elsewhere.

Mr. Carter need only read the almost daily interviews that President Lopez Portillo has given recently to the American media to know that his counterpart is prepared to use energy as a lever in wide ranging negotiations on immigrant and trade policies. He must also know that, for domestic political reasons, President Lopez Portillo, cannot afford to be too generous to the U.S. Energy, or the lack of it, as the U.S. has painfully learned in recent years, can be a great leveller.

## Cold comfort from Latin America

BY HUGH O'SHAUGHNESSY, Latin American Correspondent

LATIN AMERICA came to the rescue quickly and efficiently when many big consumers were starved of oil at the time of the Suez affair of 1956 when the Canal was closed. Venezuela in particular turned on all the taps and pushed out up to less than 3m barrels a day to well over 4m. It was a great relief to the buyers.

But now with the oilfields of Iran in a crisis it will not be the same. Most of Latin America is unable to provide much new oil in the short or medium term and Mexico which is, has said that it will only sell oil in quantities that will allow its economy to absorb efficiently the revenues that this oil will yield.

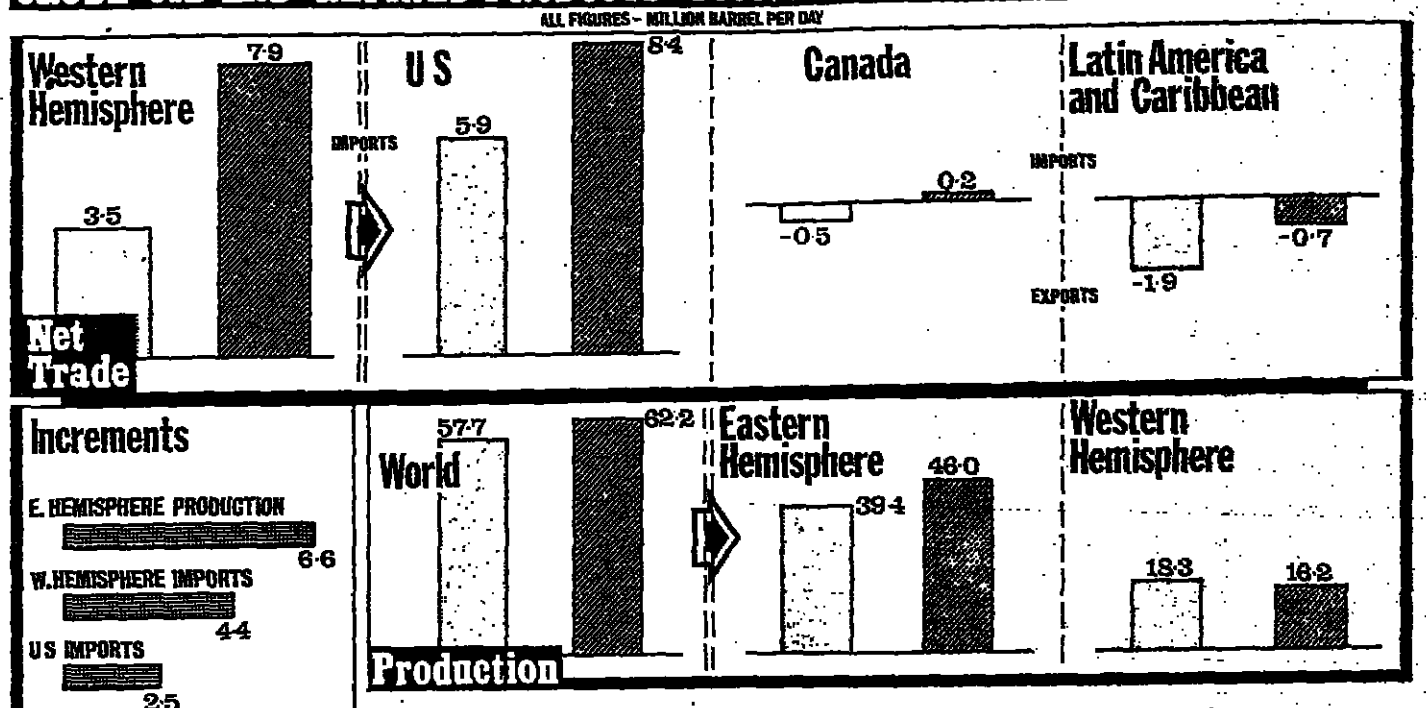
It is unlikely that President Carter who arrives in Mexico City on February 14 will come away with the oil agreement that he wants, but that will not stop other buyers pressing the Latin Americans for special assured deals.

Venezuela is in no position to repeat the help it gave in 1956. With production last year of 2.3m barrels a day of oils at the heavier end of the scale, Venezuela has been

outstripped by the producers of the Middle East whose output it once rivalled. The reserves of conventionally produced petroleum are very much smaller than those of, say, Saudi Arabia. Even if Venezuela were working at top capacity the country would be unlikely to be able to push output beyond about 2.8m bpd without new finds. Petroleos de Venezuela (Petroven), the state-owned company that now controls the industry, has started drilling in promising areas in the delta of the Orinoco River and may soon start exploring some offshore areas.

Venezuela has another big source of oil wealth, the Orinoco heavy oil belt, a reservoir hundreds of miles along the north bank of the Orinoco, which Venezuela claims could hold more oil than there is in Saudi Arabia's reserves. But it will need special extractive skills if it is to be recovered. The visit of the deputy head of the U.S. Department of Energy last month to Caracas has been interpreted as the latest in a series of pushes by U.S. Government and oil industry figures to persuade the Venezuelans to

## CRUDE OIL AND REFINED PRODUCTS: Production and Trade - 1977 1973



get on rapidly with the development of the belt, preferably by buying in the expertise of some U.S. oil major.

The Venezuelans are unlikely to be hurried to suit the convenience of the U.S. of any other foreign buyer. Petroven, the newly established company which took over the oilfields after the 1976 nationalisation, is wary of allowing the majors back into an industry from which they were only recently excluded.

Despite the fact that Latin America as a whole has been poorly prospected for petroleum and therefore the chances of making new finds are bigger than in an area like the U.S., which has thoroughly been gone over, the prospects of new oil reserves being discovered in the next few years seem small. The oilfields which have been found at the Amazon basin in Ecuador and Peru have not lived up to the hopes initially placed in them, despite this month's promising

find by Occidental in Peruvian Amazonia.

Attention has for the past few years been turning to southern South America where the U.S. Geological Service described the Malvinas Basin between Argentine Patagonia and the Falkland Islands as one of the richest potential reserves left to explore in the world. Unfortunately the reports that the oil companies give are less promising. The seismic surveys that the British and Argentine Governments arranged last year are said to show that the prospects are less enticing than once believed.

One major oil company says that the possibilities look better on the other side of the Straits of Magellan in Chilean waters. Atlantic Richfield is prospecting in that general area.

The largest country in Latin America, Brazil, is never in the foreseeable future likely to become an oil exporter. At present it produces only about one-fifth of its own needs domestically,

its exploration activity has been patchy. Hopes that the field found off the coast of the State of Rio de Janeiro could be developed quickly were dimmed when the platform being towed from Scotland to Brazil sank in the North Sea off Hartlepool recently.

Colombia and Trinidad and Tobago are both producers but only the latter exports and then not on a scale to make any difference to world supplies.

Mexico remains the only hope for a big boost to world production. But while the U.S. Department of Energy has been forecasting that the country could be producing more than 4m bpd by 1984, President Jose Lopez Portillo has spoken of a figure around 2.25m.

In a move further calculated to dampen U.S. hopes of getting easy oil from south of the Rio Grande Mexico is doing its best to sell what oil there is to export to countries other than the U.S. France, Israel, Japan and Spain have all been signed on new customers. With about 80 per

cent of Mexico's trade already being done with the U.S., the Mexican Government does not want to become any more dependent on its big neighbour.

(To the north, Canada looks even less promising. Canadian oil exports to the U.S. have been running down for some years and National Energy Board, the Canadian regulatory authority that has to license exports, in its latest, perhaps too pessimistic assessment of supply and demand came to the conclusion that normal oil exports would probably cease by 1982. Limited quantities of heavy oil which requires expensive special treatment if it is to be used for anything other than asphalt would still be available.)

(NEB has yet to assess the prevailing outlook for gas. At the moment Canada has surplus gas, but there is a political struggle going on between those who want to export it and those who want to conserve it for domestic Canadian users.)

## Mr. O'Kennedy's marker

THE TALKS between Mr. Roy Mason, the Northern Ireland Secretary, and Mr. Michael O'Kennedy, the Irish Foreign Minister, in London today can hardly be expected to produce any dramatic result. The British Government is too close to an election, and Mr. Mason is perhaps too identified with a particular approach, for there to be any new initiative now. Yet the talks will serve a purpose if they lay down a marker for the future. It is that which every party wins the election the Irish question will have to come back to the political agenda.

## Concern

Mr. Mason has been in many ways successful. He has helped to bring down the level of violence in Ulster and there has been a restoration of something approaching normal economic life in the province. Yet the operation which he undertook was also a limited one. If he had left office last October—when nearly everyone expected the election would take place—his mission would have seemed complete. As it is, the situation has been allowed to drift.

It is some credit to the members of the Irish Government that they are prepared to understand this position. Mr. O'Kennedy is unlikely to ask today for any immediate changes. What he will be seeking, however, is an assurance that a new British Government—he is also seeing Mr. Airey Neave, the Tory spokesman on Ulster—will be ready to look at the Irish question again.

There are already a number of causes for concern. The Provisional IRA may be a slimmer organisation than in the past, but it is also more efficient. It is just as much a threat to Dublin and the mainland as it is to Ulster. The propaganda campaign which it is waging around the inmates of the Maze Prison is the sort of special category status shows some signs of success, at least in the U.S. The renewed interest of some American politicians in Ireland is disquieting, even if the intentions are good. More over, there remains the absence of political progress in

Ulster. Mr. Mason may be right when he says that there is still no groundswell against direct rule from Westminster. Yet the impression is being given that the British Government is again tending to favour the Unionists. That may be inevitable for a Government that is obliged to rely on the support of the Unionist majority in the House of Commons, but it cannot be any consolation to the Northern Irish Catholics. Their own party, the SDLP, appears to be in decline with the result that the Catholics are left almost without representation. There are fears in Dublin at least that some of them will begin to swing back to the IRA.

It is, of course, easier to chronicle what is wrong than to suggest a remedy and the fact is that any British Government that saw a solution to the Irish problem would leap at the chance. The real problem is that there is no solution in sight. Yet there is one particular aspect that has recently been neglected, and that is the relationship with Dublin. The Irish Government has not always been kept fully informed of developments in Ulster—for example in the Maze Prison—in which it has an understandable concern. That could be corrected even before a British election.

## Cooperation

In the longer term there is also the changing nature of the Irish and Ulster economies. The Republic is no longer the poor relation. At the same time the two parts of Ireland continue to compete for investment, often on absurdly generous terms. If all-Irish co-operation is to mean anything, there must be a case for attempting to look at the two economies together. There is at present an Anglo-Irish economic committee with only a sub-committee affecting Ulster. The future might be appropriate to bring North-South co-operation to the fore. That would hardly be a revolutionary change, but at least an all-Ireland Economic Council would be a sign that the idea of co-operation is not dead. Mr. O'Kennedy has any better proposals, it is up to him to put them—and to London to listen.

## MEN AND MATTERS

## Lone bids for Europe

There are no doubt many reasons apart from less-than-munificent pay which have deterred the captains, and indeed the lieutenants, of industry from joining the scramble for seats in the European Parliament. One of the few exceptions is Christopher Jackson, 43-year-old director of corporate development for Spillers.

He has just joined the select band of no more than six Tory candidates—out of 45 selected—with experience either of the City or of industry; the more notable include Sir Fred Catherwood, Basil de Feranti, and Sir David Nicholson, chairman of Rothmans International, whose Westminster constituency, on paper at least, is one of the least secure seats.

Fresh from his victory over 40 other contestants for Kent East, among them Sir Peter Vaneek, Mr. Jackson tells me he feels very comfortable in having secured one of the safest seats in the country.

He admits openly that he left a "promising" future at Unilever four years ago because the company was not enthusiastic about his political aspirations—he has previously made assaults on Westminster too. Spillers, on the other hand, has been "very supportive," and he is confident that he can handle both jobs at the same time.

But one can speculate that there are many companies which dislike the idea of their top management taking on this kind of dual mandate, even if the reward is a friend at court. In the other camp, Basil Jeuda, a 40-year-old manager with Rothschilds in Manchester, is a yet more isolated representative of commerce in the socialist ranks. With a not especially secure West Lancashire constituency to win round, 40-year-old Jeuda admits that

his fellow-candidates in the North West are the predictable Labour mixture of "lecturers, trade union officials, and time-served local councillors."

## Surgical cure

Can it be that harsher treatment than being contemplated to deter insider dealing? The Stock Exchange is advertising for a Guillotine Operator whose duties are said to include "maintaining quality control of work processed."

## Diplomatic driver

Tadao Kato, the Japanese diplomat who prefers to drive a British car, has just bowed discreetly out of London—after more than three years as ambassador here, he is retiring. His Jaguar went ahead of him, having been steered through the dockyard piers.

Although early retirement is

the rule in Japan, Kato stayed here until he was 62—two years beyond the automatic cut-off age for any British diplomat. A great Anglophile, his first experience in this country was before the last war, when he went to Cambridge as a student and won a soccer blue as a full-back.

But he has the Jaguar to remember us by. "It will be very prestigious in Tokyo," an embassy spokesman told me yesterday, with some foresight. Kato bought a model designed for export to southern California, since emission regulations are as strict there as in his own country. At the moment no successor has been nominated and the new Japanese ambassador is not expected in London until the end of March.

## Sad kings

Like comfortable tax havens, suitable refuges for exiled kings are becoming rarer these days, as the unfortunate Shah of Iran has already discovered. Spain, one of the traditional favourites, is clearly not what it was. General Franco used to be fond of would-be and former monarchs, but since his death in 1975 the luckless royals have become an embarrassment to a Government which has established diplomatic relations with the Communist bloc and is moving towards full integration with its neighbours in the west.

Fellow-royals fear that King Leka, self-proclaimed King of Albania, who was re-exiled last week to Rhodesia, may not be the last to go. It is true that he tactlessly allowed it to be discovered he had an arms cache of some 50 heavy machine-guns, pistols and hand grenades. "I've got a war to fight," he said.

Despite the fact that he left his country at the tender age of two days, the gun-toting Leka still feels certain that "the time is ripe and getting ripe." His optimism is to some extent

shared by his fellow-monarch Simeon II of Bulgaria, who does however see himself as a political dinosaur, and his functions as "a one-man glorified Red Cross" looking after the estimated 150,000 Bulgarians scattered round the globe.

Being a king in exile is a thankless occupation, he avers: "I have constantly lived with the nightmare of being considered a lazy good-for-nothing living on the past. I have always liked working."

Thanks to his low profile, Simeon stands a reasonable chance of not being moved on, as does Grand-Duke Vladimir of Russia, at 62 a veteran among would-be monarchs. "My motto," he says, "is rather like that of the boy scouts—'Be Prepared.'"

## Egg roller

For daring to say that East Fife is flat, this column has earned a rebuke from Michael Hood, a reader with childhood memories of those parts. He assures me that East Fife has its ups and downs—notably an extinct volcano, Largo Law, rising to 1,000 feet.

Hood insists that it is an old Scottish custom to roll eggs all the way down Largo Law at Easter. While taking the eggs with a pinch of salt, I shall be careful never to sell East Fife short again.

## Courtesy not dead

Observed in the rubbish foot-hills of Soho: two men hailing the same taxi in Wardour Street, and both running to claim it. After a short exchange the older man returned to his angry wife on the pavement. "Why did you let him have it? You saw it first."

"I know dear, but he said he was late for his karate lesson."

Observer



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# Tories all set to romp home

MR. IAN MIKARDO, Labour MP for Bethnal Green and Bow, and the unofficial bookmaker for the Honourable Members of Westminster, is predicting a walkover for the Tories in June. Not in this case in the Westminster election, though he is hardly optimistic on that score either, but in the elections for the European Parliament.

Unless the Westminster poll is held on the same day as the European one, Mr. Mikardo thinks that the party will be lucky to win more than 15 of the 81 European seats. The figure could, he thinks, be under 12 if it rains on June 7. In his view, the eventual outcome will depend as much on the turnout as on the popularity of the parties, with the Conservatives getting out perhaps twice as many of their supporters as Labour can muster.

As one Transport House official says: "We may still be able to persuade people to go out and vote against Mrs. Thatcher but they won't budge from their armchairs for Europe." For this reason, even before the latest opinion polls, few Labour organisers were predicting that the party would get the 40 or so seats it stood to win on the basis of projecting forward the October, 1974 Westminster election results. Now they are even more pessimistic. But they still hope that Mr. Mikardo's estimate is on the low side. Even senior Tories expect Labour to win at least 20 seats. Because of the first-past-the-post voting system the Liberals will be lucky to get one.

Speaking for himself, Mr. Mikardo, as the old war horse of the Labour Left, does not care a "tuppenny damn" how the party does in the direct elections. It would, he feels, serve the party right if the Tories cleaned up in June because the party line has always been against the whole idea of such elections.

His opinion is not shared by

everybody in the party. The Prime Minister for one would probably disagree. This is because — particularly if the country has not had the chance to vote in a general election before June — the European election will inevitably be seen as a test of the Government's standing even though it will theoretically be fought on European issues. A sweeping victory for the Tories would, as one Labour pro-European puts it, be like "the toll of a funeral bell" for the Government. And, even though Conservative Central Office itself has reservations about translating the result of the direct elections too automatically into the arithmetic of Westminster, they would certainly take every opportunity to rub Labour's nose in a hefty defeat in the European poll.

## Starved of funds

Despite the feelings of people like Mr. Mikardo, the Labour Party has belatedly come to terms with the inevitability of direct elections. Though the European campaign is likely to be starved of funds unless some Government aid for the parties is forthcoming to top up the grant from the European socialist movement, the party machinery is now gearing itself up for the elections.

Each of the 81 vast constituencies in the UK has now selected its candidates to go on to the constituency short lists and final selections will be made in most cases by the end of the month. Judging by the list of hopefuls circulated by Transport House, the Labour candidates will be a less glittering band than the band of retired luminaries, like Sir Fred Cartwright and Sir Henry Plumb, who have emerged from the lengthy Conservative selection process.

A fair number of the prospective candidates have failed to get into Westminster in the past. A few, like Barbara Castle, are

retiring from Westminster while others, like the one who describes himself as a "redundant railway worker," have a long history of working in the trade union movement, and a rather shorter acquaintance with Europe.

Once the Left had faced up to direct elections, it decided to make the best of a bad job by ensuring that as few pro-marketisers as possible were selected as candidates. A list of questions was circulated aimed at exposing any clandestine Europeans. The indications are that the anti-marketisers have been relatively successful in London but that in other areas, local contestants have tended to win through. Rather than being judged by their stance on, say, agricultural policy, they have been selected on their local standing in the party. Given the general apathy about the European elections, the turnout at some of these selection meetings has been surprisingly high, possibly because it has given party members in safe seats a rare taste of power.

The real victory for the Left has been over the drafting of the manifesto for the direct elections. Having successfully beaten off a demand from Westminster MPs to be consulted, the National Executive Committee has produced a document which, if it were to be regarded as gospel, would prevent any pro-marketiser standing. As one Labour minister says, the only way a convinced European can cope with it is to treat it in much the same way as a radical Anglican vicar treats the 39 Articles. "Publicly you agree with it, but in practice you forget the bits you don't like."

The drafting of the manifesto revealed all the old divisions within the party about Europe. The final document is thoroughly hostile to virtually everything the Community

stands for and much of what the Labour Government stood for when it recommended a "yes" vote in 1975. It is also much more critical of the Community than a recent "message" to the European electorate. It concludes with a final, thinly veiled threat to take Britain out of the Community if certain fundamental reforms are not met. The threat is certainly not part of the Labour Government's policy and will presumably be used by the Conservatives as yet another example of the lack of control Mr. Callaghan has over his troops. As it is, Mrs. Shirley Williams, the pro-market Education Secretary, has publicly dissociated herself from it.

The divisions within the Labour Party will inevitably form part of the Conservatives' election platform in the direct elections. More fundamentally, however, they will be going to the country on the basis that a vote for a Conservative candidate for the European Parliament is a vote for constructive reform of a system which Labour has done its best to ruin.

What is needed now, they will argue, is a positive attitude to EEC membership. Only in this way will the necessary reforms be achieved and will Britain get her money's worth out of membership. At its simplest their message will be that only by behaving like a fully paid up member of the club can Britain expect to influence the rules. Implicit in this approach will be a commitment to European co-operation on a wide range of issues, including defence and the European Monetary System to which the Labour Party is opposed.

The negative aspects of Europe will thus tend to be laid at the feet of the Labour Government and the bureaucrats in Brussels rather than the structure of the Community itself. The manifesto, which is now being drawn up by Mr. Francis Pym, the shadow

foreign secretary and himself a convinced European, is likely to contain some major criticisms of the way the Community is now working. It will probably call for a major reform of the farming policy as part of a wider redistribution of Community resources and a reduction in the number of directives dealing with trivia emanating from Brussels. For example, but it will defend the principles to the hilt and maintain that what is good for Europe is generally good for Britain.

The final draft of the manifesto will have to be approved by Mrs. Thatcher who, though a pro-marketiser, does not seem to share her predecessor's almost visionary passion for it. Some sensitive issues have yet to be settled. The whole question of regional policy is a delicate one within the Conservative Party given its views on intervention in industry. Even so, the pro-marketisers appear confident of winning the day and say the party will project itself as unashamedly pro-European in strong contrast to Labour's niggardly approach towards membership.

## Saint George

The difference in approach between the two parties can be best illustrated in their attitude to Mr. John Silkin, the Minister of Agriculture. Labour Party organisers, conscious of the way the EEC is blamed for rising food prices, think he is a great asset in the campaign with his reputation for telling other European politicians where to get off when it comes to the dreaded Common Agricultural Policy. The idea seems to be to project him as a kind of twentieth century Saint George, riding into Brussels determined to defend British interests to the death and fend off any move by Eurocrats to interfere with the sacred British customs like drinking beer by the pint and



Frank Judd, Minister of State for Foreign and Commonwealth Affairs, with two of the Euro-hostesses who will be touring Britain soon to provide information on the EEC elections.

eating ice cream made out of water rather than milk.

Over on the other side of Smith Square, Mr. Silkin is seen as typifying the Labour Government's negative approach to Europe. The Conservatives' argument will be that it is just because ministers like Mr. Silkin have adopted such a negative attitude that the Community has got bogged down on trivialities and failed to agree on the necessary reforms. In this way, the opportunities offered by British membership of Europe have been tragically thrown away.

Given the way the two major parties look like fighting the election, the campaign could turn out to be a re-run of the 1975 referendum campaign with the let-out clause for members of either party who disagree with the official party line. As such it could open many old wounds. But not even the most fervent pro-Europeans are claiming that the direct elections will be anything but a secondary attraction on this year's election calendar.

And when it comes down to it, the Strasbourg election will not really be fought on the manifestos now being produced.

If it was, Labour might gain support because its manifesto probably accurately reflects the widespread public hostility in Britain towards the EEC. As in the General Election, most voters will vote according to party allegiance while it seems likely that the floating voter in the European elections will be more influenced by domestic issues than by a party's stance on, say, regional aid within Europe.

The main effort this year for both parties will be directed towards Westminster and even the Tories, whose party workers are generally much keener on Europe than their counterparts in the Labour Party, admit that the party machine will be stretched to cope with what could be just one of three elections in their area this year — and that is without the referendums. As one Conservative Central Office organiser says: "We will have to pick them up off their knees after the local elections in May and send them straight out again to canvass for their European candidates."

For their party, Labour Party organisers have in so far as they have accepted the need for direct elections at all, always

favoured having the European poll on the same day as the Westminster one. Only in this way, they feel, do they have any chance of persuading the party faithful to participate in the European elections. But the Home Office regulations recently issued for the Strasbourg election would seem to rule out holding a general election on the same day.

This may save Labour from the potentially embarrassing position of having to fight two elections on the same day with two manifestos which, at least in parts, are likely to contradict each other. (The British election manifesto, over which the Cabinet has far more control than the European one, is hardly likely to contain a threat to withdraw from the Common Market, for example.) But it also means that Labour's delegation in Europe will be a pretty diminished band. And even though the party's Executive is committed to opposing any extension in the powers of the European Parliament, it does officially recognise that the Euro-MPs may have a limited use in helping to reform the Community. June 7, therefore, does not look like doing much for Labour Party morale.

## Letters to the Editor

### Capital raising by industry

From the Chairman, The Stock Exchange

Sir—Mr. A. D. Roper (February 7) makes a plea for the starting level for stamp duty on houses to be raised to £25,000. He asks, "Is the Government really interested in helping house purchasers or is it intent on maintaining a punitive rate of taxation?"

I would like to widen his argument, and ask his question in relation to capital raising by industry and commerce. The stock market provides the mechanism for the transfer of securities without which investors would not be prepared to put up risk money at a cost acceptable to industrial enterprise.

Yet the costs of transfer are made artificially high by a full 2 per cent stamp duty on all transactions in equities, with no relief or shading of rates. This rate is the highest level of taxation on the transfer of shares in any developed securities market in the world.

At the same time the Government has made transfers of gilt-edged free of stamp duty in order to ensure that its own new borrowing is not similarly impeded. True, it also relieves companies' fixed-interest securities from stamp duty liability. But it then kills that market by forcing prohibitive interest rates on it.

The EEC Commission has recommended a standardising stamp duty at a maximum of 0.3 per cent on the buying and the selling of securities with a dispensation in the case of the UK (because of our different dealing system) to 0.6 per cent. At present this proposal appears to be lying in the British Government's "no action" tray.

The French are already taking steps to stimulate interest in the capital of industrial and commercial companies as a means of helping industry to raise new funds and of involving ordinary people "with industry. Why not here too?" Nicholas Goodison, The Stock Exchange, EC2.

### No zest for a gamble

From the Chairman, Policy Committee, The Association of Independent Businesses

Sir—It was disturbing, though not surprising, to read in Mr. David Fishlock's article (February 9) that the Treasury finds the message about innovation and why investors have lost the zest for a gamble all very new. As it is from a Government advisory council that the Treasury has received this message I am left with the impression that it treats all suggestions from non-Government sources as special pleading and therefore suspect.

Ten years ago this association wrote to the Bolton Committee that there appeared to be no evidence available to show that most innovations came from sources which spent large amounts on research and development. This conclusion was based on reading a number of studies which were generally available. We and others have continued to stress the importance of a healthy independent business sector to industrial innovation. We have continually stressed that large corporations tend to stifle new ideas and that institutional finance is unsuited

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The EEC Commission has recommended a standardising stamp duty at a maximum of 0.3 per cent on the buying and the selling of securities with a dispensation in the case of the UK (because of our different dealing system) to 0.6 per cent. At present this proposal appears to be lying in the British Government's "no action" tray.

The French are already taking steps to stimulate interest in the capital of industrial and commercial companies as a means of helping industry to raise new funds and of involving ordinary people "with industry. Why not here too?" Nicholas Goodison, The Stock Exchange, EC2.

### No zest for a gamble

From the Chairman, Policy Committee, The Association of Independent Businesses

Sir—It was disturbing, though not surprising, to read in Mr. David Fishlock's article (February 9) that the Treasury finds the message about innovation and why investors have lost the zest for a gamble all very new. As it is from a Government advisory council that the Treasury has received this message I am left with the impression that it treats all suggestions from non-Government sources as special pleading and therefore suspect.

Ten years ago this association wrote to the Bolton Committee that there appeared to be no evidence available to show that most innovations came from sources which spent large amounts on research and development. This conclusion was based on reading a number of studies which were generally available. We and others have continued to stress the importance of a healthy independent business sector to industrial innovation. We have continually stressed that large corporations tend to stifle new ideas and that institutional finance is unsuited

### Capital raising by industry

From the Chairman, The Stock Exchange

Sir—Mr. A. D. Roper (February 7) makes a plea for the starting level for stamp duty on houses to be raised to £25,000. He asks, "Is the Government really interested in helping house purchasers or is it intent on maintaining a punitive rate of taxation?"

I would like to widen his argument, and ask his question in relation to capital raising by industry and commerce. The stock market provides the mechanism for the transfer of securities without which investors would not be prepared to put up risk money at a cost acceptable to industrial enterprise.

Yet the costs of transfer are made artificially high by a full 2 per cent stamp duty on all transactions in equities, with no relief or shading of rates. This rate is the highest level of taxation on the transfer of shares in any developed securities market in the world.

At the same time the Government has made transfers of gilt-edged free of stamp duty in order to ensure that its own new borrowing is not similarly impeded. True, it also relieves companies' fixed-interest securities from stamp duty liability. But it then kills that market by forcing prohibitive interest rates on it.

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## General

Special meeting of Trades Union Congress general council and expected endorsement of TUC-Government agreement on economic and industrial relations.

Balance of payments current account and overseas trade figures for January.

Herr Helmut Schmidt, West German Chancellor, guest speaker at dinner of Financial Times conference in Frankfurt "Finance and Trade in 1980s".

Mr. Gordon Richardson, Governor, Bank of England, addresses the conference and

## Today's Events

later attends Institute of Bankers dinner in Birmingham.

OFFICIAL STATISTICS  
Basic rates of wages and normal weekly hours (January). Monthly index of average earnings (December).

PARLIAMENTARY BUSINESS  
House of Commons: Banking Bill, remaining stages. Motion on EEC documents on the Community's Budget.

House of Lords: Debate on the problems of rural deprivation. Debate on refugees. Select Committees: Science

## Today's Events

and Technology, Genetic Engineering Sub-Committee. Subject: Genetic Engineering.

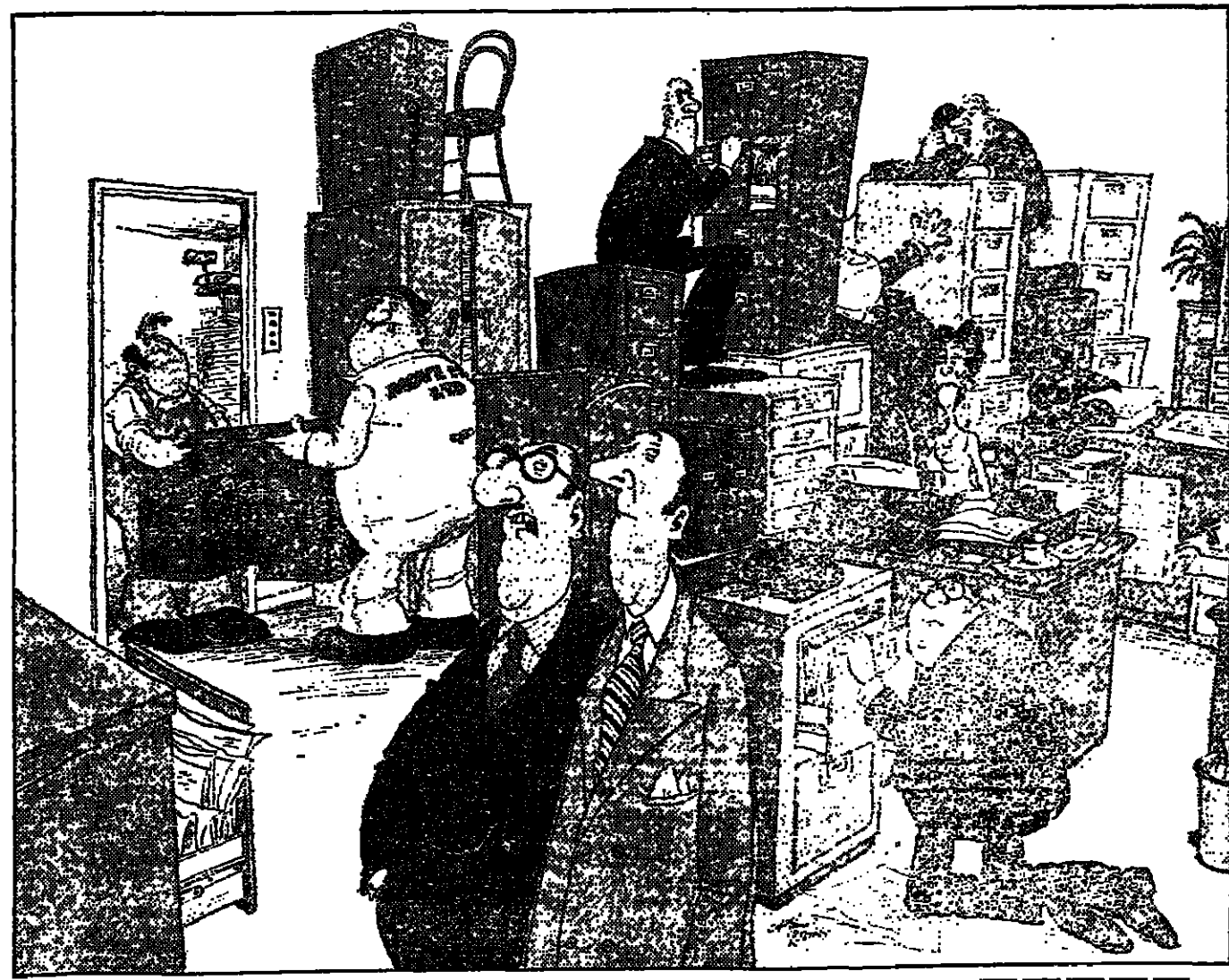
Witnesses: DHSS Officials (Room 15, 10.30 am). Expenditure, Environment Sub-Committee. Subject: Redevelopment of London's Docklands. Witnesses: The Port of London Authority (Room 5, 4.15 pm). Nationalised Industries, Sub-Committee C. Subject: Report and Accounts.

Witnesses: The Post Office (Room 8.10.45 am). Nationalised Industries, Sub-Committee E. Subject: Ministers, Parliament

and the nationalised industries. Witness: Sir Monty Finniston, Civil Service Department (Room 8, 4 pm). Expenditure, Trade and Industry Sub-Committee. Subject: Domestic Air Fares. Witnesses: British Airways (Room 16, 10.15 am). Joint Committee on Consolidation Bills. To Consider the Capital Gains Tax Bill (Lords) (Room 4, 4.30 pm). Expenditure, Social Service Sub-Committee. Subject: Perinatal and neonatal mortality. Witnesses: Professor Parfrenik (of Paris), Mr. and Mrs. Wynn (Room 16, 4 pm).

COMPANY MEETINGS—See Page 23.

## 'Is this somebody's idea of office expansion...or are we going into the furniture business?'



Expansion, or just new circumstances, have the habit of creating chaos in efficient offices. And invariably, it seems to happen overnight.

Management are frequently too busy to think of tomorrow's office requirements. Because, after all, tomorrow's profits matter more.

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The idea, rather like a financial audit, is based on a yearly assessment of your organisation's present and future office needs, with cost effectiveness in mind. And if you do consider moving offices or re-locating one or more of your departments, LOB can give you all the facts you need to make the right decision—absolutely free.

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To: The Location of Offices Bureau, 27 Chancery Lane, London WC2A 1NS. Tel: 01-405 2921. Telex: 213533.

Please send me a free copy of your Location Audit guide

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Company \_\_\_\_\_  
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LOB

Set up to promote a better distribution of office employment.

FT5







Companies  
and Markets

## UK COMPANY NEWS

Dale Electric profits  
surge to almost £2m

TAXABLE PROFITS of Dale Electric International, Yorkshire-based maker of electric generating sets, increased by 73.3 per cent to a record £1.91m in the first half to October 29, 1978, compared with £1.1m in the six months to July 2, 1977. Turnover increased from £6.98m to a peak £13.7m.

Mr. Leonard Dale, chairman, says the company's forward view, with an order book of £18.7m, is guardedly optimistic. However, there may be some pressure on margins as international competition tightens.

The return to traditional patterns of growth has been achieved despite difficult market conditions, continues Mr. Dale. The increase in sales and profit has outstripped inflation and the growth of competitors.

The company has increased its market share in the UK and held its own in export markets. The cost has been a 1.22 per cent narrowing in margins since the last reporting period. He adds

that the progress of this half-year follows a period of consolidation during 1978, and "rewards of which are now evident".

Generating set production is being reorganised to provide further growth without added investment. The Erskine factory extension is completed and contributing to profits, but, he says, building developments at Houchin in Ashford, Kent, are "bogged down at planning permission stage".

After tax of £994,000 (£574,000), stated earnings rose from 5.25p to 6.91p in the period under review. The net interim dividend is lifted from 1.228p to 1.4p per 10p share, at a cost of £183,000 (£124,000) after waivers. Total payment in the previous 16-month period was £3,668p.

Net profit rose from £529,000 to £918,000. Revenue reserves increased by £765,000 (£405,000).

## ● comment

Dale Electric appears to have weathered the difficult export

conditions experienced by the electric generation industry much better than some of its competitors. Sales to Nigeria totalled £1.75m in the first half and more will flow through in the second while sales to Iran have virtually stopped but they accounted for only £300,000 in the first six months. Sales to Iraq, the other problem area for British exporters, have been hit but again Dale's exposure is small.

About 12 per cent of interim sales and profits can be attributed to the Houchin acquisition but there has been growth in the group's traditional business as well. The order books at January were down from the £20m of a few months earlier to £18.7m (around nine months' sales), reflecting lower demand. Nevertheless the outlook for the second half is bright so a pre-tax profit of £4m could be achieved.

The shares at 144p give a prospective p/e of 9.86 and yield (assuming a 10 per cent increase) 2.8 per cent.

Nottingham Mfg. moves  
ahead to record £15.4m

PRE-TAX profits of Nottingham Manufacturing Company finished ahead at a record £15.41m for 1978 against £13.02m last time, which included a £1.7m exceptional credit on disposal of investments. Turnover for the period, including inter-company sales of £18.47m compared with £17.86m, rose from £128.3m to £146.2m.

After six months, profits had moved forward from £4.54m to £4.89m.

At the year end basic earnings are shown as 21.04p (20.24p) per 25p share and 18.9p (18.19p) fully diluted. The dividend is stepped up to 3.825p (3.5475p) net with a final payment of 2.82225p.

Nottingham manufactures knitted underwear, hosiery etc., and tufted carpets, and is a major supplier to Marks and Spencer.

Turnover ..... 1978 1977  
Trading profit ..... 15,411 12,825  
Depreciation ..... 77,524 15,522  
Investment income ..... 5,516 5,412  
Conv. loan interest ..... 690 786  
Exceptional profit ..... 1,425 1,371  
Profit before tax ..... 16,426 15,017  
Taxation ..... 4,493 4,816  
Net profit ..... 10,933 10,201  
Interim dividend ..... 1,919 1,723  
Proposed final ..... 1,906 1,210  
Surplus brought forward ..... 28,656 28,783  
Retained ..... 47,598 38,556  
Company ..... 33,023 24,747  
Subsidiaries ..... 14,576 13,047  
On disposal of investments ..... 10n  
Cancellation of loan capital ..... See Lex

## BOARD MEETINGS

The following companies have notified dates of Board meetings to the Stock Exchange. Such meetings are usually held for the purpose of considering dividends. Official indications are not available as to whether dividends are interim or final, and the sub-divisions shown below are based mainly on last year's timetable.

## TODAY

Interim—Asam Investments, John James, Minerals and Resources, Thormorton Secured Growth Trust, Zambia Copper Investments.

## FUTURE DATES

Footwear Industry Investments Feb. 19  
Gripower Investments Feb. 21  
Stocks (Joseph) Feb. 22  
United Real Property Trust Feb. 21  
Final  
Berlids Feb. 21  
Bibby (J.) Mar. 13  
Earl and Marriot Mar. 20  
Lancashire and London Inv. Ltd. Mar. 22  
Newland and Burton Feb. 21  
Whitingham (William) Feb. 26  
Woodhouse and Riton Feb. 27

Today's  
company  
meetings

Compair Marine Engineers,  
78 Mark Lane, EC4, 12, Lloyds  
and Scottish, Hyde Park Hotel,

Knightsbridge, SW. 12. Management Agency and Music, Hendon Hall Hotel, Ashley Lane, Hendon, NW. 12. Martin The Newsagent, Connaught Rooms, Great Queen Street, WC. 12. Redfern National Glass, Royal Station Hotel, York, 13. Westland Aircraft, Hyde Park Hotel, Knightsbridge SW. 12.

Beaumont  
turns in  
£1.12m

ALTHOUGH TURNOVER was lower at £2,709,086 against £3,082,563, pre-tax profits of Beaumont Properties rose from £1,018,150 to £1,124,486 for the year ended September 30, 1978.

At the interim stage, the directors said higher trading profits, together with benefits resulting from short-term investment of funds arising from last February's rights issue, should produce increased net profits for the full year.

After tax of £545,495 (£487,892) yearly earnings dropped slightly from 4.8p to 4.5p per 25p share. A final dividend of 2.8983p raises the total payment to 3.87081p (3.4664p) net.

## Thermal Syndicate £0.5m off

TURNOVER at Thermal Syndicate rose by 7 per cent from £8.84m to £10.55m but taxable profits for the October 31 1978 year finished down at £1.17m compared with a previous £1.7m.

At half-year profits had fallen from £551,000 to £202,000.

Sir John Paget, the chairman, says it was a difficult year for the group and that disadvantageous conditions coupled with the economic environment, in the markets in which it operates, in the UK and abroad, "have taken their toll".

In spite of the setbacks during the year he says the group is nevertheless in a strong position and ready to take advantage of any upturn in world trading conditions.

As anticipated, trading profits improved in the second half although they finished the full period behind at £564,000 against £669,000. Interest received and surplus on sale of processes and construction of associated plant added £203,000 (£726,000) giving the pre-tax figure.

The company continues to pursue an active policy of selling know-how, plant and equipment, Sir John states, and currently there are several interested parties although all enquiries are at an early stage. He adds that if no contract is completed during the current year then the

surplus on the sale of processes will be considerably less than the amount included in the 1977-1978 profit.

In this event, he says, the directors expect that some of the shortfall will be made up by improved trading results since, with plans in hand during the next 18 months, "trading results should again reach acceptable levels".

Tax for the year took £260,000 (£247,000) leaving a net profit of £202,000 (£1,456m). Earnings are shown as 17.04p (£27.25p) per 25p share and the dividend, absorbing £319,000 (£356,000), is lower at 6p (6.7p) net despite an increased final of 5p (3.7p).

With effect from January 1, 1979, the parent company was reorganised into two constituent parts comprising: a Wallend Division, including the manufacturing operations at Wallend, West Chilton, North Shields; the Benton Fused Magnesia works, together with the Southern branch at Stevenage. And a small central Thermal Syndicate staff organisation to deal with the longer term aspects and administer commercial, technical and financial control.

## ● comment

Thermal Syndicate's profits drop of just over 30 per cent is not

unexpected following the warnings at the interim stage when profits fell nearly £350,000. But understandably the shares slipped back 4p yesterday to close at 88p. Thermal's problems have centred around depressed world-wide demand for silica products with the resulting competitive pressures showing through in lower margins. What shareholders will find more distressing than the figures is the news that profits this year will probably show another fall.

The problem is that there will almost certainly be no contribution from the sale of "know how" and plant. Last year this was worth some £570,000, and there have been contributions from this source for nine out of the last 11 years. Thermal is in the middle of discussing possible new contracts, one behind the Iron Curtain looks most likely, but the current year is unlikely to see any benefit. Meanwhile the general trading picture is brightening up and first half profits will probably be around £400,000, while the second half could top that though the overall figure will be below £1m, but the dividend will be maintained. Dull prospects in the short term, but accounted for in the p/e of 4.8 and yield of 10.7 per cent.

## JOSEPH WEBB &amp; CO. LIMITED

## HALF YEAR REPORT

GROUP UNAUDITED RESULTS FOR THE HALF YEAR  
ENDED 30TH SEPTEMBER, 1978, ARE AS FOLLOWS:—

	Six Months to 30th Sept., 1978	Six Months to 30th Sept., 1977
Group Turnover	1,829,645	1,454,045
Group Trading Profit	336,939	333,118
Holidays	288,593	240,944
Property Investment	48,346	48,045
Estate Development	—	44,127
Group Interest	93,541	95,353
Group Profit before Taxation	243,398	237,763
Taxation	22,425	47,737
Group Profit after Taxation	220,973	190,026
Preference Dividend 2.825 pence per share (same)	6,563	6,563
Interim Ordinary Dividend 0.1313 pence per share (0.1313 pence)	24,817	20,681
Earnings per 5p Ordinary Share (Note 1)	1.13p	0.97p

Note 1—The earnings per share are based on 18,900,792 Ordinary Shares in issue following the one-for-five capital issue and a corresponding adjustment has been applied to the calculation of the previous year's earnings per share.

Note 2—No provision has been made in the above figures for Depreciation of Freehold Buildings as required by Statement of Standard Accounting Practice No. 12 (Accounting for Depreciation). Such a provision would, it is estimated, result in an additional charge of £39,969 (£33,819) in a full year.

The Directors give the following information:—

## GROUP PROFITS

Group Trading Profit before Interest was £336,939 (£333,118) and takes into account a depreciation charge of £101,854 (£88,377).

The contributions to Group Trading Profits made by each activity are reviewed as follows:—  
Holidays and Leisure made an increased contribution to £288,593 (£240,944) which reflects the improvement in the level of bookings overall and includes the increased capacity brought about by acquisitions.

Property investment income was £48,346 (£48,045). There were no land sales in the period—ENIL (£44,127). Group Pre-Tax Profits were £243,398 (£237,763) after interest charges of £93,541 (£95,353).

The full year's results from our Holiday and Leisure interests are largely known one half of which is included in this report.

Property income as expected remained steady. There were no land sales during the first half, but there will be a contribution from this sector in the second half of the year.

It is expected, therefore, that there will be an advance in Group Pre-Tax Profits for the financial year ending 31st March, 1979.

## DIVIDEND

Your Directors have recommended an Interim Dividend of 0.1313p per share being the same amount per share as last year's interim, but which is payable on the Ordinary Share Capital as increased by the one-for-five capital issue made on the 29th September, 1978. The Interim Dividend will be paid on the 23rd April, 1979, to those members on the Ordinary Shareholders' Register at the close of business on the 12th March, 1979.

## FUTURE PROSPECTS

The current level of bookings for the 1979 Holiday Season is encouraging and augurs well for an overall increase in Group Profits for the financial year ending 31st March, 1980.

## Good year for Mardon Pkg.

BY TERRY OGG

Mardon Packaging, jointly owned by B.A.T. Industries and Imperial Group, has announced sales worth £313m and a pre-tax profit of £21.6m for the year to September 30, 1978.

Excluding the effect of acquisitions and inflation, real growth in sales during the year was only 3 per cent, the star performer in the group was the Case and Paper division, while continuing pre-tensions in France meant that the UK and European Print division did not achieve the growth levels originally expected.

"I am able to report that 1978 was a good year for the group," said Mr. John Cornish, the group chairman and managing director, said. "The consumer boom had a greater

effect on consumer durable products, the packaging of which represents only a small part of our business."

"Despite a variable pattern of demand and the difficulty in recovering inevitable cost increases, most of our UK divisions increased their level of sales and profits."

Capital investment in the UK completed was £18m and the bulk of this went in updating equipment in existing factories. "Part was for the two-piece can line at Mardon Illingworth which has commenced operation and where the total outlay will be £4m," Mr. Cornish said. "This represents Mardon Packaging's first venture into open-top can production."

Folding cartons, the traditional basis of the group,

contributed around £94.1m of the total sales of £313.6m. Almost £69m came from flexible packaging, while cardboard cases and finishing added £56.4m.

Specialist print and labels contributed £53.3m, rigid plastics £18.8m, and the remainder came from metal containers, trade laminations, sawmilling waste paper and tubes.

Sales within the UK accounted for two-thirds of the overall total, a quarter came from North America-based subsidiaries and the rest came from sales in Europe.

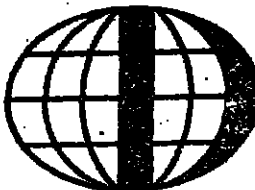
Commenting on prospects for 1979, Mr. Cornish said, "This year, despite evidence of a slackening in market demand, the year should be reasonably good for most of the group's operations."

## INTERIM

## Dalgety

"... we again look forward to a material increase in profits for the full year." David Donne — Chairman

- \* Half year profits at £12.2 million are up 22 per cent—a new record.
- \* Earnings per share increased by 41 per cent to 17.1p.
- \* Interim dividend of 8.04p per share declared.
- \* In Agriculture the increase in profits was assisted by improved results from the rural operations of Dalgety Australia which company, as forecast, should return to profit in current year.
- \* The Chemical Division's programme of consolidation following the takeover of Federated Chemicals was successfully achieved.
- \* The Malting activity showed an encouraging increase in profits.
- \* The Board remains confident about prospects. The Rights Issue in September 1978 and US \$125m ten-year facility arranged in November 1978 provide a secure basis for growth.



Copies of the full interim report for the six months ended 31 December 1978 are available from The Secretary, Dalgety Limited, 10 Upper Grosvenor Street, London W1X 9PA, Telephone No. 01-499 7712.

HARDYS & HANSONS  
LIMITED

Col. T. E. Forman Hardy,  
the Chairman, reports  
on 52 weeks to 29 Sept., 1978.

- Profit before tax, at £1.88m., is another record for the Company. The figure available for appropriation of £1.18m. compares with £0.97m. in 1977.
- Final dividend is raised from 4.9p to 5.5p per share, making a total for the year of 7.8p (7.0p).
- We feel the future outlook for the brewing trade generally is now on a more secure basis, and so we have decided to go ahead with £1.5m. brewery modernisation and expansion scheme, financed out of Company resources.
- Prices of our draught beers have been held steady since December 1977, but we shall undoubtedly have to put them up in the New Year. The prices of our bottled beers were increased in July 1978. However, the Company's prices generally remain very competitive compared with those of other brewers.
- Despite the poor summer, sales improved over 1977 and the percentage increase was above the average for the country generally. Managed house results showed marked improvement on last year's performance.
- Sales of Lager recovered during the final quarter and towards the year and there was an indication of improved bottled beer sales after a poor performance over a long period.
- It is too early to forecast next year's trading results, but after a good start the trade in December has been disappointing.

We are pleased to announce

the formation of

Mabon, Nugent International Ltd.

6-7 Queen Street  
London EC4N 1SP  
(01) 248-0876-Telex 8952807

and

the appointment of

Thomas S. Roeder

as

Managing Director



MABON, NUGENT & CO.  
MEMBERS NEW YORK STOCK EXCHANGE, INC.  
AND OTHER PRINCIPAL EXCHANGES  
115 BROADWAY, NEW YORK, N.Y. 10005  
February 13, 1979

AMTSSPAREKASSEN  
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Provided by

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BANQUE CANADIENNE NATIONALE  
SKANDINAVISKA ENSKILDA BANKEN (LUXEMBOURG) S.A.  
GIROZENTRALE UND BANK DER ÖSTERREICHISCHEN  
SPARKASSEN AKTIENGESellschaft

Agent

BANQUE NORDEUROPE S.A.

NOTICE OF REDEMPTION  
To the Holders of

## Queensland Alumina Finance N.V.

9% Collateral Trust Bonds Due 1982

NOTICE IS HEREBY GIVEN that pursuant to the provisions of the Queensland Alumina Finance N.V. Collateral Trust Indenture dated as of April 1, 1978, U.S. \$1,000,000, principal amount of the said described Bonds have been selected for redemption on April 1, 1979, in lieu of a redemption for the purpose of the Sinking Fund, at the principal amount thereof, together with accrued interest to said date, each in the denomination of \$1,000 bearing serial numbers with the prefix letter "AM" as follows:

Outstanding Bonds bearing serial numbers ending in any of the following two digits:

00 07 20 40 54 71 67 93

Also Bonds bearing the following serial numbers:

7 2423 4223 4723 5723 6223 6723 7223 8223 11523 11823 12523 13723 14823

On April 1, 1979, the Bonds designated above will become due and payable in such coin or currency of the United States of America as at the time of payment shall be legal tender for public and private debts. Said Bonds will be paid, upon presentation and surrender thereof with all coupons appertaining thereto maturing after the redemption date, at the option of the holder either (a) at the corporate trust office of Morgan Guaranty Trust Company of New York, 30 West Broadway, New York, New York 10015, or (b) subject to applicable laws and regulations, at the main offices of Morgan Guaranty Trust Company of New York in Brussels, Frankfurt (Main), London or Paris or at the main offices of Bank Leas & Hope NV in Amsterdam or Banque Internationale à Luxembourg S.A. in Luxembourg. Payments at the offices referred to in (b) above will be made by check drawn on, or by a transfer to a U.S. dollar account maintained by the payee with a bank in New York City.

Coupons due April 1, 1979, should be detached and collected in the usual manner.

On and after April 1, 1979, interest shall cease to accrue on the Bonds herein designated for redemption.

QUEENSLAND ALUMINA FINANCE N.V.  
By WILLIAM HOBBS, Managing Director

Dated: February 14, 1979

## NOTICE

The following Bonds previously called for redemption have not as yet been presented for payment:

BONDS OF U.S. \$1,000 EACH

M-101 269 583 1556 1634 4711 4841 8370 6880 5223 11823 12116 14560 13895 18277 19278  
101 306 1063 1854 2138 4554 5061 6364 7304 10391 12115 12631 17528 18373 18487

Barclays Bank  
Base Rate

Barclays Bank Limited and  
Barclays Bank International Limited  
announce that with effect from the close of  
business on 13th February, 1979, their Base  
Rate was increased from 12½% to 13½% per  
annum.

The basic interest rate for deposits was  
increased from 10% to 11% per annum.

The new rate applies also to Barclays Bank Trust Company Limited



BARCLAYS  
1892

Reg. Office: 54 Lombard Street, EC3P 3AH Reg. No. 43539, 920580 and 1205167.



BIDS and DEALS

Comet to make 110p offer for Caledonian

Comet Radiovision Services last night announced its intention to make a takeover bid for Caledonian Holdings, which is already the subject of an offer from London and Midland.

Comet said it would be approaching Caledonian "with a view to obtaining its recommendation" to an offer of 110p per share. That would value Caledonian at £11m.

Caledonian only came to the stock market last month, via an offer for sale from its original owner, Stenhouse. The tag then was 55p. Just a day later, LMI came in with a bid worth £8.4m, having already acquired a near 30 per cent stake.

Comet has been steadily acquiring Caledonian shares on the market during the past week. Yesterday it acquired a further 700,000 shares at 110p per share, bringing its total investment to 2.21m shares, or 22.13 per cent of the equity. Last night Caledonian's shares closed 5p higher at 111p.

Comet says that any offer would be subject to the approval of its own shareholders. Last year it made an unsuccessful bid for Henry Wigfall, the TV rental and retail group, worth some £14m.

**INTEREUROPEAN**  
By the close of the market yesterday, Associated Communications Corporation's advisers, N. M. Rothschild and Sons, had acquired sufficient shares in the market at between 80p and 81p to give ACC control of Inter-European. With the acceptances already notified, Lord Grade's company now has 54.48 per cent.

The identity of the Classic cinema chain, however, will be retained, Mr. Laurie Marsh, the chief executive, is to be asked to join the ACC main board.

**GENERAL CEYLON**  
Two small property companies, Carlton Real Estates and Carlton Estates are making a reverse takeover bid for General Ceylon Holdings.

The proposed deal begins with Ceylon buying the two other companies for shares worth £317,000. This would leave the property groups with 64.27 per cent of Ceylon and the obligation to make a general offer for the remainder.

The terms of the offer for Ceylon's minority is set at 8p in cash.

**ANGLO-SWISS**  
Armstrong Equipment now owns or has received bid acceptances for 74.65 per cent of Anglo-Swiss Holdings. The offer

became unconditional on January 29.

The share offer is to close on February 27, but no closing date has yet been set for the cash offer of 54p per share.

THROMMORTON PUBLICATIONS

Thrommorton Publications, the Financial Times subsidiary and publisher of the Investor's Chronicle, has bought the title and goodwill of the now defunct Investors Review and Financial World.

It was formerly a member of the Trust Houses Forte Group. It will now be incorporated into the Investors Chronicle.

The Investors Review and its associated newsletter was bought by Forte a year ago from the co-operative which then owned it. Forte was hoping to use it as the basis for an expansion into financial publishing, but the review was not successful and folded two weeks ago.

**KEAN & SCOTT**  
Acceptances received in respect of the offer by Mr. M. Levein for Kean and Scott amount to 2.125 shares. The conditions of acceptance have not been fulfilled, and the offer has accordingly lapsed.

This result is not unexpected. Mr. Levein only made a bid because he was obliged to do so under the Take-over Code after buying 51 per cent of the ordinary share capital from the chairman and certain business associates.

**NICOL INDUSTRIES**  
Nicol Industrial Holdings has acquired Richard Garrett Engineering, a manufacturer of equipment or plastic extrusion and injection moulding, packaging, solvent recovery and machine tools.

Garrett, a Suffolk-based group, has net assets of £3m.

Nicol expects that its own group turnover will exceed £30m in 1979.

**ASSOCIATE DEAL**  
On February 12, 1979, S. G. Warburg and Co., an associate of Hawker Siddeley Group, bought on behalf of discretionary investment clients, 25,000 shares at 199p, 51,550 at 185p and 25,000 at 197p.

**SHARE STAKES**  
Chapman and Co. (Batham)—Thrommorton Trust holds 123,500 shares (5.14 per cent) of the voting issued share capital.

Peachey Property Corporation—Sun Alliance Insurance Group

have increased their holding of ordinary shares from 5.58 per cent to 6.82 per cent. They now hold 1.39m.

**CHRISTOPHER MORAN GROUP**  
C. J. Moran (Services) (a company controlled by C. J. Moran, director) bought 10,000 shares at 41p on February 5.

NO PROBE

The merger of Newman Industries and the full acquisition of Avdel International NV is not being referred to the Monopolies Commission.

BROOKE BOND

Brooke Bond (Australia) Proprietary is now entitled to 88.5 per cent of the capital of Bushells Investments. The offer by BBA for Bushells has not been extended beyond the original closing date of February 12, 1979 and BBA intends to acquire compulsorily any outstanding stock units in Bushells.

TESCO STORES

In connection with the purchase of 51 per cent of the capital of 3 Guys Tesco Stores (Holdings) has allotted a further 492,278 ordinary shares by way of additional consideration of £255,000 in respect of post-completion adjustments.

The shares have been placed by Phillips and Drew.

**FORD DEALERSHIP SALES BY UBM**  
UBM GROUP has completed the sale of three of its Ford Main Dealerships for £1,275,000 cash.

The sales were required to comply with an undertaking given to the Ford Motor Company at the time of UBM's acquisition.

**SCHROEDERS**  
A joint venture property company in the U.S. owned by Schroeders and the Lend Lease Corporation is to be dissolved.

The company, called Property Holdings International, is said to have had net assets of \$18m at the end of last year and these are to be split between the partners. Schroeders will get the land bank and financial assets and Lend Lease will retain the schemes under development.

Tilling expands again in U.S.

Thomas Tilling has spent a further \$4m (£2m) on expanding its U.S. medical distribution interests.

It has acquired Hosmer-Dorrance Corporation, a subsidiary of the American Hospital Supply Corporation, which makes and distributes specialist components for artificial limbs. A third of the company's output is exported.

Only last September Tilling paid \$19m for D. L. Saslow, a major U.S. distributor of dental equipment. The acquisition complemented Tilling's existing medical distribution company in the U.S., Intermed Holdings which before the Saslow purchase made profits of \$4.7m on \$11.2m turnover.

The Hosmer-Dorrance business will also fit within InterMed's range which already includes artificial limbs and orthopaedic support garments.

The acquisitions are part of an overall \$100m U.S. expansion plan which has so far also included strategic purchases in the air conditioning and engineering fields.

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**WILMOT BREEDEN/ROCKWELL TALKS**  
The two-month long series of talks between Wilmot Breeden and the U.S. Rockwell International seem to be coming to a conclusion.

In early December the companies jointly announced the opening of talks "on areas of mutual interest" and the possibility of "closer association" which might range from joint ventures to a full takeover.

Now technical teams have been exchanged and the discussions have been largely completed. In the market yesterday Wilmot's shares stood at 80p, up 4p.

of the Godfrey Group of motor companies from the Hodge Group.

UBM now has five Ford car and truck main dealerships in Bristol, Cardiff, Winchester, Exeter and St. Austell.

B AND C BUYS SAVOY STAKE

Shipping has acquired close on 8 per cent of the capital of the Savoy Group, giving it 4.25 per cent of the votes. The purchase of 2.5m "A" shares was made last Thursday, but the vendor has not yet disclosed its identity to the Savoy.

The holding, which is in the name of Bricoman Investments, comes less than five months after Trafalgar House sold its 23 per cent stake to Grand Metropolitan for just over £5m.

Yesterday's announcement sparked a 3p rise in Savoy's shares to 77p.

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MINING NEWS

Fluor expects revival in metals investment

BY PAUL CHEESBRIGHT

FLUOR CORPORATION, the California engineering and management services group active in the natural resources sector, expects to bring the metals and mining sides of its business back into profit this year.

Signs of a revival are linked to an increase in the amount of capital investment in the mining industry, following a slight upturn in 1978. At the end of Fluor's last annual year, in October, 1978, the backlog of orders from metals and mining had risen to \$310m (£154.6m) from \$153m in 1977 and a lowly \$48m in 1976.

The nature of the services Fluor provides makes the group's activities in this area a barometer of mining industry confidence generally.

Since October, Fluor's mining services orderbook has in any case grown with the agreement to provide design facilities and construction management for an \$80m copper project in China.

The group's latest annual report, just published, makes it clear that China could prove to be a major market for a broad spectrum of services. Fluor has been establishing links with China for a number of years; its teams have visited the country and Chinese officials have visited its California headquarters.

In addition to the copper project, Fluor has arrangements for work at two oil refineries, thus emphasising its position in the vanguard of the western race to sell expertise to China.

But it will be some time before revenue from China makes a significant difference to Fluor's corporate fortunes.

Last October the metals - mining - engineering - construction side of the group reached what could be bottom

of the business cycle when it recorded an operating loss of \$8.04m (£2.5m).

Operating profits from this activity, a small portion of the group's total earnings, have been declining steadily since touching a peak \$9.04m in 1978. There has been a similar movement in the value of the work completed, which was worth \$297.5m in 1975 and just \$91.6m in 1978, and in the revenue received which slipped from \$127.99m in 1975 to \$39.6m in 1978.

This falling pattern of earnings from metals and mining has been at odds with the general trend in the group's net profits which reached \$78.5m in the year to last October after six consecutive years of growth.

However, the prospects of a recovery in the metals business began to appear last year when the value of new orders rose to \$257m from \$107.5m in 1977.

To some extent this increase reflects internal reorganisation at Fluor, where more and more stress has been placed on the marketing of the services the group offers.

Fluor has won a contract to make a mining engineering feasibility study of a surface lignite deposit owned by Dow (chemical) near Loganport, Louisiana. Dow is contemplating a \$200m investment in the mine and associated facilities.

**WAGE DISPUTE HALTS WORK AT BOUGAINVILLE**  
Production at the Rio Tinto Zinc group's big Bougainville copper-gold operation in Papua New Guinea came to a halt

last night following a strike of miners.

The stoppage, called for by the mine union, arises from a wage claim. According to Mr. John Trevis, the Bougainville assistant manager, the claim is new of limits with the Papua New Guinea Government wage policy.

A senior official of the country's Industrial Relations Bureau is flying to Bougainville from Port Moresby to mediate in the dispute. So far, neither side has made public its bargaining position. Bougainville Copper shares eased 4p to 165p yesterday.

**INCO: better nickel market**  
CANADA'S Inco expects a return to balanced market conditions for nickel by the end of the second quarter of this year, according to Mr. J. P. Schade, senior vice-president.

He said the market situation is changing rapidly. There has been a substantial increase in stainless steel production, which is continuing into the first half. However, Inco is not predicting a nickel shortage of this year, despite production curtailments and strikes at the group's Sudbury operations.

Mr. Schade said a shortage could develop if the strike by 11,700 workers at Sudbury continues far "a lengthy period". He added that there had been a major change in the nickel outlook that would enable the leading producers to establish a better supply and demand balance and thereby improve pricing prospects.

IOCO EARNINGS HIT BY STRIKE

Because of last year's four-month strike, which ended in July, 1978 earnings of Iroco Company of Canada slumped to U.S.\$299,000 (£149,000) after an unrealised exchange loss of \$8.4m. In 1977 the company made a profit of \$44.9m which included an unrealised exchange gain of \$8.5m.

However, IOCO earned \$9m in the final quarter of 1978 after the earlier losses. The company, which last paid a dividend for 1971, is 27.14 per cent owned by the U.S. Hanna Mining with Canada's Hollinger group holding a further 12.11 per cent.

MINING BRIEFS

CONZINC (MALAYSIA) 24 tonnes (December 92.5 tonnes).

TUC BACKING SOUGHT FOR GUIDELINES TO UNIONS ON INDUSTRIAL RELATIONS

Procedures aimed at resolving disagreements quickly

BY OUR LABOUR EDITOR

THE TUC general council will be asked today to endorse three sets of guidelines for unions on industrial relations. Details of these guidelines—"Negotiating and Disputes Procedures", "Trade Union Organisation and the Closed Shop", and "Conduct of Industrial Disputes"—are reproduced here. They are appended to the joint statement drawn up by the TUC and the Government and called "The Government, the Economy and Trade Union Responsibilities".

The guide on disputes procedure emphasises the responsibility on unions and management to agree relevant and practical arrangements, to observe agreements, and to eschew action in contravention of agreements. It advises unions to review their internal machinery periodically to repair faulty communications leading to unofficial action and urges them to prevent such action energetically.

Observing the principles

Affiliated unions, it says, should observe the "TUC's Disputes Principles and Procedures" which are designed to minimise disputes between unions and provide for conciliation, adjudication, and binding awards by the TUC in case of disagreement. No official strike should take place on an inter-union issue before any TUC examination, the guide says.

Unions and employers should periodically review negotiating arrangements, paying particular attention to the following matters:

Relevance of agreements

Whether the industry-wide agreement is relevant to current circumstances, particularly determination of wages and the development, where appropriate, of comprehensive and authoritative collective bargaining machinery at company or factory level;

Whether dispute procedures should terminate at establishment level or whether unresolved disputes can be usefully dealt with at industry level; and

whereby matters of common interest to employers and workers can be discussed and negotiated at the appropriate level," the guide says.

Such matters as basic wage rates and terms and conditions of service may be appropriate for industry-wide collective bargaining. But job-evaluation, may be best carried out at company level, such issues as the application of company and industry agreements need effective collective bargaining at establishment level.

Simple, written arrangements

The guide recommends a simple, written, disputes procedure. It says it:

● should specify the appropriate levels for raising and settling disputes, and the manner in which workers may raise a grievance. Wherever possible disputes should be resolved at the level at which they arise; otherwise at a higher level in the establishment. Issues such as individual piece-work prices should be resolved at the highest external stage of procedure;

● may specify time limits within which issues should normally be settled or taken on to the next stage of procedure; and

● should indicate issues on which implementation of a managerial decision is deferred until either agreement is reached or the negotiating procedure has been exhausted.

The guide provides the following clause to illustrate the principle of the "status quo":

"It is agreed that in the event of any difference arising which cannot immediately be disposed of, then whatever practice or agreement existed prior to the difference shall continue to operate pending a settlement or until the agreement procedure has been exhausted."

Conciliation by an outsider

The disputes procedure, the guide continues:

● may include a stage requiring conciliation by an outside person or body, including the Advisory Conciliation and Arbitration Service and the TUC; ● may provide for arbitration as a final stage, particularly to resolve disputes at local level on issues which are not

regarded as appropriate for more than one external stage of procedure, or in the case of essential services and industries.

● should, where an adequate "status quo" provision is incorporated, preclude a strike or other industrial action by workers or a lock-out or other management pressure until all stages of procedure have been exhausted.

The guide on union organisation and the closed shop says that the logical objective of a union is clearly 100 per cent organisation and the closed shop one means whereby the worker can ensure continuity of collective strength and freedom of expression.

Closed shops have 5m

Of the 12m trade unionists belonging to the TUC, it estimates that 5m work in closed shops. These are broadly pre-entry and post-entry.

After reviewing reasons why the closed shop started, the guide lists their benefit to worker and employer.

The existence of non-unionists, it says, may be positively harmful to good industrial relations and can undermine the stability and established negotiating and consultative arrangements.

"For many years, unions voluntarily and without any legal requirement, have made provision for conscientious objectors to be excluded from the closed shop provisions, but in some cases on the understanding that they make an equivalent payment to charity."

"Some union membership agreements also provide that certain categories of workers need not join the union or unions signified in the agreement."

As flexible as required

The closed shop, the guide says, need not be a rigid arrangement. Its scope can be as flexible as required "and unions might bear this firmly in mind."

One difficulty has been the conclusion of exclusive union agreements by one union in circumstances where another affiliated union or unions has had membership interest. "On occasions such action may breach the TUC Disputes Principles and Procedures."

More generally it can generate ill-will and endanger good industrial relations."

Unions are urged to have regard to interests of other unions in drafting such agreements.

The guide says the agreement must be applied in a manner consistent with its terms. "If it is to be used as a defence before industrial tribunals by employers when they have dismissed a person not in membership of a union referred to in the agreement."

Recognition of other cards

Recognition of cards of other appropriate unions needs to be operated consistently and provided for in the agreement. An indication needs to be given about which unions are regarded as appropriate. To provide flexibility while not undermining the union membership agreement one approach could be to include a clause which permits the recognition of cards of other TUC-affiliated unions.

Closed shops, the guide says, can be achieved by methods varying from refusal to work with non-unionists to a formal agreement with an employer.

The way that causes most difficulties is when a union refuses to handle work from an employer, or to supply goods to him, unless his workforce is 100 per cent unionised by the union."

The TUC general council advises unions to persuade workers of the benefits of union membership.

Independent reviews

The guide says that the Independent Review Committee was established in May, 1976, to consider appeals from individuals dismissed because of exclusion from or refusal of admission to a union when membership is a condition of employment.

The terms of reference, the guide says, are as follows:

● The committee must be satisfied, before considering an appeal, that a dismissed person has exhausted internal union procedures;

reached the committee will make a recommendation about whether or not the individual should be admitted to the union, or in the case of an expelled member whether or not he should be taken back into the union, and if so, upon what conditions. "There is then a clear responsibility on the part of the union concerned to act upon such a recommendation."

Emergency services

The guide says that generally unions recognise the need to provide emergency or essential services and to maintain plant and equipment during industrial disputes, "and the TUC considers that such action is vitally necessary."

The general council advises unions that for the duration of an industrial dispute, "make arrangements in advance and with due notice, in consultation with the employer, for the maintenance by their members of supplies and services essential to the health or safety of the community or otherwise required to avoid causing exceptional hardship or serious pollution."

Union members should also "provide cover for the maintenance of plant and equipment essential to the functioning of the establishment and which also ensures, as far as possible, a smooth return to full production on resumption of normal working."

"Where livestock is involved, trade union members should also ensure that systems continue to function and that supplies of foodstuffs are maintained."

Deflecting supplies

On picketing, the guide, after defining the main aims, says it may also assist at deflecting supplies or custom from the employer in dispute.

It adds: "Unions should in general, and save in exceptional circumstances, confine picketing to premises of the parties to the dispute or the premises of suppliers and customers of those parties."

Although there is no legal right to picket, the guide says, it is lawful for persons acting in contemplation or furtherance of a trade dispute to picket at or near a workplace or any other place (except a person's home), provided they do no more than peacefully obtain or communicate information or peacefully persuade workers to abstain from work. The right to picket is subject to the following legal restrictions:

● Strike procedures to be stated clearly and which bodies have authority to call, approve, or terminate a strike;

● Ballots to be held where a strike is contemplated or during a strike, the decision to hold such ballots being at the discretion of the appropriate body of the union;

● The size of the majority required to be specified;

● Machinery for dealing with complaints arising over the ballot.

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● The size of the majority required to be specified;

● If pickets enter private property without permission and damage occurs, they are liable to be sued individually for trespass or collectively for conspiracy;

● pickets may communicate or obtain information "peacefully" but may not interfere with persons entering or leaving premises. Interference includes unlawful obstruction of the highway or of other users of the highway, the use of such methods as lying down in the road, linking arms to prevent the entry of vehicles to premises, loitering or detaining persons entering or leaving the premises and making threats of violence or engaging in acts of violence;

● it is unlawful for any person to use or threaten violence to a person or his family or to injure his property or to deprive him of it. In addition interference with passage on the highway may constitute a "nuisance" in the civil law;

● "Hunt v Broome" established that there is no right on a picket to stop a vehicle against the driver's will. Lawful methods of persuasion are limited to oral or visual methods and do not permit pickets to commit acts such as physical obstruction of a vehicle or person;

● the law gives the police considerable discretionary powers to decide whether the methods used by pickets are lawful in particular circumstances. In 1980 the courts supported a police officer who decided that a picket of two persons was adequate and arrested a third man on the picket line. However, on other occasions larger numbers of pickets have been allowed without police intervention. In 1986 the courts ruled that where pickets walked in a continuous circle outside a factory and refused to obey a police officer's order for them to stop, the police officer had been obstructed in the course of his duty.

Requests to pickets

The guide emphasises that any request for members of another union not to cross picket lines should be directed to the appropriate official or body of the other union, so that proper instructions can be issued to the members concerned. It says that if picketing is planned at any place other than the premises of the employer in dispute, it should

take place only after the specific approval of a person authorised by the union in dispute, "who should take into account the interest of other affiliated unions and consult them accordingly."

Identifying badges or armbands should be carried or worn by authorised pickets. Where trade union members need have access to the premises—for instance those engaged in essential safety or maintenance work—this should be made clear to the pickets.

Disciplined, peaceful

Pickets should be advised to act in a disciplined and peaceful manner even if they are provoked by non-unionists or others, the guide says. "It will help to ensure that picketing is peaceful if an experienced member, preferably a union official, is in charge of the picket line. He should have a letter of authority which he can if necessary show to police officers or to workers attempting to cross the picket line and should be provided with a copy of this guide. He should ensure that the number of pickets is no larger than is necessary."

The guide points out that it is an offence to use insulting words or behaviour and says that a picket must accept instructions from the person in charge "and undertake to behave in a lawful and disciplined manner."

Where a union member is instructed to cross a picket line, "for example, to deliver essential supplies," he should not be subject to disciplinary action by any union.

**Intimidation fear**  
The guide says that although demonstrations may constitute an effective appeal for solidarity "the police may regard a large body of workers as obstructing entry to premises or as intimidating towards those who wish to enter."







This announcement appears as a matter of record only.  
December, 1978

## COMPAÑIA TELEFONICA NACIONAL DE ESPAÑA

U.S.\$ 70,000,000

Medium Term Loan

Arranged by

Deutsche Bank  
Compagnie Financière Luxembourg

Amsterdam-Rotterdam Bank N.V.

The Bank of Tokyo (Luxembourg) S.A.

Banque Européenne de Crédit (BEC)

Barclays Bank International Limited

The Fuji Bank, Limited

Industriebank von Japan (Deutschland) Aktiengesellschaft

—The Industrial Bank of Japan (Germany)—

Midland Bank Limited

Mitsubishi Bank (Europe) S.A.

Union Bank of Switzerland

Agent

Deutsche Bank  
Compagnie Financière Luxembourg

## BANK OF SCOTLAND

### Base Rate

The Bank of Scotland intimates that, as from 14th February 1979 and until further notice, its Base Rate will be increased from 12½% per annum to 13½% per annum.

### LONDON OFFICES-DEPOSITS

The rate of interest on sums lodged for a minimum period of 7 days will be 11% with effect from 1st March 1979.

This announcement is made by Baring Brothers & Co., Limited on behalf of  
The Guthrie Corporation Limited

## THE GUTHRIE CORPORATION LIMITED

To the Ordinary Shareholders in  
The Guthrie Corporation Limited

### YOUR BOARD'S RESPONSE

to Sime's letter of 10th February, 1979  
will be posted today

### DO NOT ACCEPT

425p for estimated net tangible  
assets of 628p

Sime says the latest time for your  
acceptance is 3.30 p.m. on Friday,  
16th February, 1979. Unless it lapses  
at that time,

### SIME CANNOT CLOSE

its offer without your being given  
14 days' notice

## Companies and Markets

### Steel finance move in Portugal

By Jimmy Burns in Lisbon  
DR. ABDUL VAKIL, a leading  
manager at the Bank of Portugal,  
has joined the board of  
Siderurgia Nacional, Portugal's  
nationalised steel company.

Dr. Vakil is well-known to  
international bankers as the  
chief negotiator of foreign  
loans to Portugal in his capacity  
as head of the department for  
the co-ordination of foreign  
finance at the Bank.

He is expected to apply his  
skills over the next few months  
to the delicate task of securing  
external finance for the national  
steel plan. The project, drafted  
by Siderurgia's managing director  
Sr. Bayao Horra and accepted  
in principle by both the Portuguese  
Government and the EEC, envisages a \$700m investment  
in the country's existing  
steel plant at Seixal, near  
Lisbon.

Differences as to how the  
scheme should be financed have  
delayed until now a former decision  
from the government on the  
national steel plan. The  
draft estimates that about 10  
per cent of the investment at  
Seixal would be covered by  
direct foreign loans, but this  
share might have to be in-  
creased given present restric-  
tions on domestic borrowing.

Dr. Vakil, nicknamed "Abdul  
the Spread" on account of his  
ability to secure good credit  
terms, led the first major opera-  
tions in the international finan-  
cial market made directly by  
the Republic of Portugal last  
year, securing \$450m worth of  
loans on the Euromarket.

He had been recently involved  
in the negotiations of a \$100m  
loan to the Caixa Geral de De-  
positos, Portugal's main credit  
institution.

### Turnaround at Pierrel

MILAN — Pierrel Spa posted  
net profits of L1.7bn (12m) for  
1978, a turnaround from a L7bn  
loss suffered the previous year.  
Pierrel, the pharmaceutical  
company, also forecast a L3.5bn  
profit this year, with consoli-  
dated sales rising to L80bn from  
L63bn in 1978.

The company's positive  
results in 1978 were attributed  
to cost-cutting and in financial  
burdens. Pierrel's short-term  
indebtedness was, in fact,  
reduced to L11.3bn by the end  
of 1978.

AP-DJ

## INTL. COMPANIES and FINANCE

### Setback for French trader in Africa and Asia

BY DAVID WHITE IN PARIS

THE HEYDAY of the big  
French trading companies  
operating in Africa and Asia  
appears to be over. Fears  
expressed last year about the  
effects of slower growth in  
world trade and poor results  
from African subsidiaries have  
been fulfilled in the results of  
the leading concern in the  
field, SCOA.

In its first setback for over  
a decade, the former Societe  
Commerciale de l'Ouest Afri-  
cain announced a sharply  
lower expansion rate and a  
consolidated loss of FF24.7m  
(\$3.8m) in the financial year  
which ended on September 30.  
The loss came after a FF70.4m  
net profit the year before.

At parent company level, net  
earnings were pared down from  
FF50.8m to FF7.1m, and the  
board has proposed a net  
dividend cut by more than half  
from FF5.40 to FF2.50—the  
statutory minimum.

SCOA chairman, M. Georges

Nesterenko said that the  
group's activity had expanded  
by 10 per cent, after establish-  
ing an average annual growth  
rate of 25 per cent over the  
previous four years. Group  
sales totalled FF5.75bn.

Results suffered from cur-  
rency fluctuations, the cost of  
closing down some activities  
and "various adaptations  
measures." M. Nesterenko  
blamed the turnaround on "the  
brutal change in the economic  
climate from spring onwards in  
the main countries where we  
are active."

Although SCOA is less  
reliant on traditional African  
links than the other leading  
trading concern CFAO, it was  
severely affected by develop-  
ments in Nigeria, Sudan and  
to a lesser extent the Ivory  
Coast—and by fierce Japanese  
competition in African markets.

Although it is pinning hopes  
on China to lift its Far East

business, SCOA's activities in  
Europe and Asia have so far  
not been able to compensate  
for its African problems—for  
instance, a decline in capital  
goods sales to countries like  
the Ivory Coast which have been  
subject to stabilisation policies.

M. Nesterenko said that it  
would take another two years  
before adaptation measures  
bore fruit. The group would  
have to revise its investment  
plans downwards, but remained  
confident about the future.

SCOA controls a combination  
of industrial and commercial  
activities, about 50 per cent in  
Africa. Its industrial interests  
are mainly food products, per-  
fumes, timber and hosiery.  
Apart from a big French-based  
trading operation, it has over  
400 supermarkets in Africa and  
acts as agent for motor manu-  
facturers—marketing, for in-  
stance, Peugeot's production  
from its factory at Kano,  
Nigeria.

### Strong last quarter helps Jaz

BY TERRY DODSWORTH IN PARIS

JAZ, the French clock and  
watch-making group, which has  
become central to the Govern-  
ment-backed reorganisation of  
the industry, improved sales by  
14 per cent last year to  
FF215m (\$35m).

The group reports a particu-  
larly strong last quarter on the  
French market, with watch sales  
up by 29 per cent. Overseas

sales value declined despite  
greater volume turnover.

The Frametec subsidiary, in  
which the effort to construct a  
French electronic watches in-  
dustry is being concentrated, in-  
creased sales by 29 per cent  
from FF75.5m to FF97.8m.  
This arm of the group, made up  
from the former Finhor and  
Capillard-Rieme businesses, is

34 per cent owned by Jaz, while  
another third of its shares are  
held by the SDF, the publicly-  
aided organisation for restruc-  
turing the industry.

In its statement, Jaz says its  
policy of vertical integration in  
watchmaking is going well, and  
that the move into quartz auto-  
matic alarm clocks is now under  
way.

### Better batteries bad for Varta sales

BY GUY HAWTIN IN FRANKFURT

VARTA, West Germany's largest  
battery manufacturer, is rela-  
tively pleased with 1978 profits.  
Despite rising costs and only a  
minimal increase in sales, earnings  
remained at about the 1977  
level, said yesterday's prelimi-  
nary report.

Last year was the first busi-  
ness year since the old Varta  
group was reorganised by  
Quandt Concern, the majority  
shareholder. The company,  
Varta AG, controls the former  
Varta group's battery and plas-  
tics operations and the group's  
other interests are now run as  
separate companies.

Sales last year totalled just  
under DM 1.21bn (\$652.5m)  
compared with DM 1.2bn in  
1977. Of this, international  
operations accounted for sales  
of DM 655m—54 per cent of

total turnover compared with  
1977's 53 per cent.

The West German-based  
operations reported that sales  
stagnated at DM 776m. How-  
ever, while domestic sales  
remained flat, exports rose 6  
per cent to DM 224m and  
exports as a proportion of total  
sales out of West Germany  
increased from 1977's 27.3 per  
cent to 29 per cent.

Behind this rather uninspir-  
ing sales performance lay the  
continued increase in the  
Deutsche-mark's value against  
the world's other leading cur-  
rencies. This not only made  
competition tougher, but also  
disguised to a considerable  
degree the performance of  
Varta's overseas subsidiaries.  
At the same time the European  
market for replacement starter

batteries remained weak, the  
report said.

A breakdown of the opera-  
tional sectors shows that the  
small plastics operation did very  
well with sales up 18 per cent  
to DM 24m. The big business—  
starter batteries for motor  
vehicles—fared poorly with  
sales down 1.5 per cent to  
DM 580m.

In the starter battery sector  
the problem was really the West  
German market where sales fell  
5.4 per cent to DM 316m. Here  
the trouble was that the product,  
technically, has been greatly  
improved and is much longer  
lasting. Although demand from  
the motor industry remained  
high last year, replacement sales  
were down considerably—not  
only because the motorist is  
getting a longer life out of the

### CGE's turnover climbs by 10%

By Our Paris Staff

COMPAGNIE Generale d'Ele-  
ctricite, one of the two biggest  
concerns in France's electrical  
industry, reports a 10.1 per cent  
growth in group turnover last  
year to FF36bn (\$5.9bn).

Leaving aside minority in-  
terests, sales reached FF20.5bn,  
an increase of 12.5 per cent  
closer to the 13 per cent growth  
rate which CGE predicted at the  
time of a rights issue last year.

However, the increases partly  
reflect changes in the group's  
structure. Without them, the  
overall increase was calculated  
at 8.8 per cent and that of com-  
panies under majority control  
8.5 per cent.

The only major sector to suf-  
fer a drop in sales was CGE's  
cable division, which showed a  
5.5 per cent decline.

Turnover of the affiliated com-  
panies—notably the heavy elec-  
trical, locomotive and shipbuild-  
ing group Alsthom-Atlantique  
and the Franco-U.S. computer  
concern CII-Honeywell-Bull—rose  
7.1 per cent to FF15.4bn.

CGE said at the end of last  
year its profits would be at least  
as high as 1977's group result of  
FF950m. It planned to main-  
tain its dividend at 21 francs  
and pay out an extra FF1.50 a  
share for the 1978 financial year  
in order to compensate for di-  
vidend controls in force at the  
time.

### Migros cash flow declines

By Our Zurich Correspondent

GROUP TURNOVER of Migros  
the Swiss co-operative rose by  
3.4 per cent last year from  
SwFr 7.23bn to SwFr 7.48bn  
(\$4.5bn). Migros, the country's  
biggest trading organisation,  
recorded a 4 per cent decline  
in cash flow to SwFr 380.7m,  
but this continued to cover  
investments, which in 1978  
were down to SwFr 347m.

Of the overall turnover,  
SwFr 6.44bn (\$3.87bn)—or  
2.7 per cent more than in 1977  
—came from sales of Migros's  
retail outlets. The wholesale  
value of the group's own pro-  
duction units rose by 5.6 per  
cent to SwFr 1.46bn and thus  
represented about one-quarter  
of branch sales.

Among major non-retail  
operations were Hotelplan, the  
internationally-active travel  
agency concern, whose turnover  
rose 8.4 per cent to SwFr 372.7m  
(\$224.5m) and the fill-  
ing-station chain Migrol, with  
sales up 6.9 per cent to SwFr 361.6m  
(\$217.3m).

Earnings of subsidiaries and  
of the Dunlop group companies  
in which the Swiss holding con-  
cern participates were described  
as satisfactory last year and cor-  
respond to what had been antici-  
pated, a company statement  
said. However, the rise in the  
Swiss franc exchange rate  
adversely affected the overall  
profit in terms of this currency.

### Bank Leu earnings rise despite narrower margins

By JOHN WICKS IN ZURICH

NET PROFITS of Bank Leu,  
Zurich, the fifth of Switzerland's  
Big Five commercial banks,  
rose from SwFr 15.2m to  
SwFr 16.9m (\$10.2m) last year  
in what the bank said was a  
continuation of its gratifying  
development. After this 11.2  
per cent improvement in earn-  
ings, achieved despite the  
narrowing in interest margins,  
the Board is to recommend  
distribution for 1978 of an un-  
changed dividend of SwFr 80  
per share and SwFr 18 per  
participation certificate, a rate  
equal to 16 per cent in either  
case. Sums of SwFr 1m and  
SwFr 4m will be transferred to  
statutory and other reserves  
respectively.

Bank Leu's balance-sheet  
total expanded by 14.4 per cent  
last year to SwFr 4.01bn  
(\$2.4bn). This means a dou-  
bling of assets in less than five  
years. Among liabilities, custo-  
mers' accounts rose by  
SwFr 319m over the year and  
the due-to-banks total by  
SwFr 120m. A share of

SwFr 219m of new funds was  
lent out to clients and  
SwFr 98m deposited with banks,  
while commercial credit busi-  
ness jumped from SwFr 101m  
to SwFr 180m and mortgage  
investments increased by  
SwFr 39m. In the profit-and-  
loss account, 58 per cent of  
income came from interest  
received, 12.8 per cent from  
commissions, 11.7 per cent from  
securities and 10 per cent from  
earnings on foreign exchange  
and precious-metal business.

Leu intends to take further  
steps to expand foreign opera-  
tions. Of particular interest is  
the activity of Bank Leu Inter-  
national in the Bahamas, with  
a balance sheet of some  
SwFr 100m and about to pay  
an initial 5 per cent dividend  
for last year. The bank is also  
a participant in the Euro-  
partner Securities consortium  
in New York. In Switzerland  
itself, negotiations are under-  
stood to be in progress with  
other banks with a view to  
future co-operation.

### Acquisitions boost SIP

By Our Zurich Correspondent

TURNOVER OF companies con-  
trolled by the Basle-based hold-  
ing company, Societe Inter-  
nationale Pirelli SA, rose from  
SwFr 2.61bn to SwFr 2.98bn  
(\$1.6bn) last year, after an 8  
per cent expansion in sales  
volume. Growth is attributed  
partially to new acquisitions dur-  
ing 1978.

Earnings of subsidiaries and  
of the Dunlop group companies  
in which the Swiss holding con-  
cern participates were described  
as satisfactory last year and cor-  
respond to what had been antici-  
pated, a company statement  
said. However, the rise in the  
Swiss franc exchange rate  
adversely affected the overall  
profit in terms of this currency.

### Court proceedings on Chiasso affair set for May

COURT proceedings in con-  
nection with the Chiasso affair in-  
volving a branch of Credit  
Suisse are to begin on May 21  
in Mendrisio, according to Dr.  
Piero Rottalini, the president of  
the Criminal Court of the Swiss  
Canton Ticino.

Defendants are the former  
managers of the bank's Chiasso  
branch, Ernst Kuhnle, and  
Claudio Laffranchi, and the  
three company lawyers who  
acted as administrators of the  
Lichtenstein holding company,  
Texon - Finanzanstalt — Eiblo  
Gada, Alfredo Nosedo and  
Alessandro Villa.

Charges preferred include  
those of continued disloyal  
management, continued issuing  
of false documents and contra-  
ventions of the Federal banking  
laws and Government monetary  
regulations. Proceedings against  
Meinrad Perler, a third former  
manager of Credit Suisse's  
Chiasso branch, in respect of  
lesser allegations are to be  
handled separately.

In the Chiasso scandal, a total  
of SwFr 2.2bn of fiduciary funds  
owned by clients of the branch  
were improperly channelled into  
the Texon letter-box company  
registered in Liechtenstein but  
operating in Chiasso itself.

### Recovery in sales at Montedison

By Paul Betts in Rome

THE CURRENT recovery of  
the Italian chemical industry  
was confirmed yesterday by  
figures released by the Milan  
chemical conglomerate, Montedison, showing a 14 per cent  
increase in the turnover of  
Italy's largest chemical group,  
and a 20 per cent increase in  
the sales revenue of the  
parent company, last month.

Montedison's group turn-  
over last year totalled  
L554bn (\$633m).  
The Milan group's overall  
turnover last year totalled  
L6,656bn (\$81m). The re-  
covery, according to the com-  
pany, involved mainly plas-  
tics, agricultural products,  
petrochemicals, products for  
industry and dyes among  
other items.

### Revenue up but Air Malta's profits fall

By Godfrey Grimshaw in Valetta

AIR MALTA's taxed profits  
fell to M£338,000 (\$850,000)  
last year from M£322,000 in  
1977 despite a substantial in-  
crease in revenue.

This was revealed by Mr.  
Malcolm Mical, Air Malta's  
chairman who explained that,  
despite the fall in taxed  
profits, the company last year  
continued to expand its activi-  
ties, enhance its role as a  
foreign exchange earner and  
create more jobs.

Mr. Mical said that Air  
Malta last year carried more  
passengers and freight than it  
did in 1977 while its total  
revenue climbed from M£3.8m  
to M£4.1m (\$23.8m). Yet  
costs also increased consid-  
erably with fuel absorbing 23.6  
per cent of Air Malta's total  
expenditure and wages  
another 17.9 per cent. Mr.  
Mical said that eventually the  
price of fuel would determine  
the pace at which the  
modernisation of the com-  
pany's fleet will proceed.

Last year the company was  
left with a net profit of  
M£478,000 (\$1.37m) compared  
to M£630,000.

In the four years it has  
been operating, Air Malta  
profits have accrued to  
M£880,000.

The Air Malta fleet includes  
five Boeing 720Bs bought from  
Pakistan International Air-  
lines, which holds a 20 per  
cent investment in Air Malta,  
and another two acquired  
from Western Airlines.



## Interest rates up in Australia

BY JAMES FORTH IN SYDNEY

THE AUSTRALIAN Government has won a battle with the states over an increase in official interest rates. The states backed down over the weekend, after opposition to increases, had forced the Federal Government to delay announcing the terms of its February loan. As a result, the Federal Government has gone ahead with proposals to move the long-term bond rate up from 8.8 per cent to 9 per cent.

This is the first change in the trend of interest rates since September 1977, when the long term bond—the benchmark for interest rates—was generally 10.5 per cent. The move was described by Mr. Malcolm Fraser, the Prime Minister, as a "pause" in the Government's objective of lowering interest rates.

In fact, the move was an admission that the Government erred in pushing rates down from 9 per cent to 8.8 per cent last November. The market never accepted the official rates, and bond deals continued to go through on the market at about 9 per cent.

While the states yielded to

Canberra on interest rates they managed to gain concessions on other fronts. The Federal Government agreed to defer introducing a "tap" system for bonds in place of the current method, whereby loans are made at regular specified intervals, for indeterminate amounts, with rates and maturities set by the Loan Council (a body representing the Commonwealth and the states).

A tap system for bonds would reduce the ability of the states to influence rates. The Federal Government also deferred for the moment the introduction of a tender system for its short-term Treasury notes to replace the present tap system.

Mr. John Howard, the Treasurer, said that the Government had decided to increase rates because of recent rises in overseas interest rates and the decision by the Arbitration Commission to award a 4 per cent national wage increase. He said that the decision did not amount to an abandonment of the Government's policy of creating conditions in which interest rates could fall.

## Improved second half lifts Alcan Australia

BY OUR SYDNEY CORRESPONDENT

ALCAN AUSTRALIA, the aluminium group, lifted earnings 28 per cent, from A\$6.27m to A\$8.05m (U.S.\$ 9.1m) in 1978, in line with buoyant results reported by other aluminium companies. The increase was achieved on a 17 per cent gain in turnover, from A\$98m to A\$109m (U.S.\$ 124m).

The directors said that there was a much better result for the second half of 1978 compared with the same period of 1977, when profitability was under considerable pressure. Trading conditions generally in the aluminium industry continued to be difficult and market growth was negligible.

Construction work on a smelter expansion programme began in 1978, and is due to be completed this year. The outlook for the current year is described as most encouraging. The dividend is raised from 7 cents a share to 8 cents and is covered by earnings of 23 cents, compared with 18.4 cents in 1977.

PRE-TAX PROFITS at Alcan, the Malaysian associate, company of Alcan of Canada, suffered a setback—last year,

declining from 2.9m ringgit to 1.1m ringgit (U.S.\$500,000), as a result of sporadic labour disputes which considerably slowed down production.

These, in turn, caused delay in deliveries, resulting in the company losing part of the profitable market in Malaysia and Singapore to its competitors.

Sales fell by 11 per cent from 8,515 tons to 7,613 tons, while revenue fell marginally to 35.9m ringgit. Mr. Donald Crilly, Alcan's managing director, said that the company's labour problems were now resolved, and it was looking forward to a record first quarter.

The company expects to instal its new extrusion press in July which would double its extrusion capacity to 8,800 tons a year. It is also planning a substantial expansion of its sheet rolling mill which produces 6,500 tons of sheet products.

A final dividend of 4 per cent is declared, bringing the year's total to 10 per cent—the same as in the previous year. Alcan of Canada holds 34.5 per cent of Alcan, while the remaining equity is held by Malaysians and Singaporeans.

## United Mizrahi moves ahead

By L. Daniel in Tel Aviv

OPERATING PROFITS of United Mizrahi Bank—Israel's fourth largest bank—and its subsidiaries rose by 67 per cent before tax to 12,307m (\$17.5m) in 1978, while after-tax profit increased by 40 per cent to 12,890m. The bank is paying an unchanged cash dividend of 15 per cent, together with bonus shares at the rate of 25 per cent, compared with 20 per cent in 1977.

The bank reports a 96 per cent growth in its consolidated balance sheet to 122,560m (\$1.3bn) at end 1978, compared with 1977. In real terms, however, the growth was of the order of 44 per cent, taking into account the 46 per cent inflation between November 1977 and November 1978, and the weighted average of the devaluation of the Israeli pound against the dollar by 23.5 per cent. The foreign currency element in the balance sheet in 1978 reached 47 per cent, against 40 per cent in 1977.

United's capital means reached 12,863m at end 1977—an increase of 108 per cent. Noteworthy is the 91 per cent growth in deposits to 126.8bn, with most of the increase in current or time deposits in foreign currency. Current

## Israel Union Bank growth

By Our Tel Aviv Correspondent

ISRAEL UNION BANK—a medium-sized bank here, and a member of the Bank Leumi group, and traditionally the main instrument for financing the diamond trade—raised its balance sheet to 12,307m (\$1.3bn) at December 31, to show an increase of 68 per cent on 1977.

The bank's capital funds reached 12,819m, representing a rise of 12,227m, of which 12,155.6m was raised last June by the issue of shares, capital notes and options. Its paid-up capital increased by 116.5 per cent.

Pre-tax profit from current operations rose by 88 per cent in 1978 to 12,229.7m, and after-tax profit by 75 per cent to 12,707.2m (\$4m).

The bank intends to pay an unchanged cash dividend of 16.5 per cent (including the 5.5 per cent interim paid in October), and an additional distribution of bonus shares for 1978 at the rate of 12.5 per cent (additional to the 20 per cent bonus shares distributed in October). Thus the total of bonus shares for 1978 will be 35 per cent (33.5 per cent in 1977).

## SANYO ELECTRIC

# Growing up in the shadow of a giant

BY RICHARD C. HANSON IN TOKYO

SANYO ELECTRIC COMPANY, based in the drab industrial city of Moriguchi, near Osaka, has become one of the heaviest investors in overseas production facilities among Japanese companies—number four to be precise. The reason for this is that Sanyo is also Japan's tenth largest exporter, and exporting has become a difficult business.

Despite these rankings, Sanyo has carried a less well known brand name overseas than other major Japanese companies, except in Asia where most of its investments have so far been. This results in part from its sliding, literally, vis-à-vis the world's largest home appliance maker, Matsushita Electric Industrial. Sanyo, in fact, was founded near the Matsushita base by the brother-in-law of Konnosuke Matsushita, the semi-retired creator of MEI.

Sanyo's late president, Mr. Toshio Iue, left his position as right-hand man to Konnosuke after the war, in 1947.

MEI remained as a Zaiatsu, or industrial conglomerate, and the energetic Mr. Iue—with the help of unsecured loans from Sumitomo Bank—launched an independent venture making bicycle lamps, which initially were sold through MEI outlets.

The Sanyo group has invested nearly \$200m in overseas production facilities during the past two years, \$80m in a plant near

San Diego, California, to build audio equipment and small refrigerators. It has, from this year, stopped exports of colour television sets from Japan to the huge American market and switched production for the U.S. to its Arkansas State plant, acquired from Warwick, the U.S. company, several years ago.

Altogether, it has 26 overseas plants (the first in Hong Kong in 1961), more than any other electronics maker except Matsushita which has 39. The value of the products it produces overseas has risen spectacularly since 1972, from \$71.4m in that year to \$885m in 1978. Another 20 per cent increase is projected for this year.

The need to switch from exports, particularly to the U.S., to local production has been heightened by the appreciation of the yen and by growing tendencies for countries to throw up import barriers. For Sanyo this has meant that exports accounted for 37.1 per cent of all sales in 1978, down from 40 per cent in 1977. The overseas production/sales share when calculated in yen showed little change, at about 21.4 per cent, but accounted for about

one third when thought of in dollar terms.

Meanwhile, Sanyo is hoping to improve its business with mainland China. The Sanyo parent and Tokyo Sanyo, a subsidiary specialising in refrigeration, are negotiating a joint venture with the Chinese to export refrigeration production facilities. There are still many details to be worked out, however, including the issues of

Community. Sanyo produces colour televisions in Italy for sales there. It says that it would be willing to locate a television plant in the UK if an appropriate partner could be found.

The outlook for Sanyo sales is for about a 3 per cent increase in 1979 (excluding most of the overseas production). In the year to November for the parent company only,

colour television sets has reached 98 per cent of all homes, with more than 30 per cent of those already owning two sets.

The domestic television market is suffering from longer purchase cycles among consumers. There is hope that television sales will be enhanced by the introduction last year of Multiplex broadcasting (multi-band sound broadcasts including stereo and foreign languages) but this so far is limited to Tokyo and Osaka. The broadcasters are unwilling to increase Multiplex programmes until more Multiplex adaptors and television sets are sold. The consumer, on the other hand, appears to be waiting for more sound broadcasts before buying the adaptors.

The results of home video tape recorder sales in Japan have also been less than was hoped. Although the still expensive home video units have gained a foothold faster than colour TVs did two decades ago, the market penetration is still around 3 per cent to 4 per cent. It will take some time to increase that to a desired 10 per cent level. Sanyo chose to follow the Betamax system made by Sony which has done much less well than the Matsushita video system.

Fortunately, Sanyo has strengthened itself financially, reducing debt from the 1975 peak of ¥62.8bn to ¥57.55bn in 1978. And it has raised funds successfully through convertible bond issues overseas in Europe since 1975—these funds helping its expansion around the world.

SANYO ELECTRIC, the Japanese maker of electric appliances, has grown up in the shadow of the world's largest maker of home appliances—Matsushita Electric Industrial—in the industrial city of Moriguchi, near Osaka. The company, founded just after the war by Mr. Toshio Iue, the brother-in-law of Mr. Konnosuke Matsushita, Matsushita's founder, has grown from being a maker of bicycle lamps to become Japan's fourth largest overseas investor

electronics maker except Matsushita which has 39. The value of the products it produces overseas has risen spectacularly since 1972, from \$71.4m in that year to \$885m in 1978. Another 20 per cent increase is projected for this year.

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payment and how the foreigners' capital stake in a Chinese venture would be recognised.

Sanyo's Hong Kong subsidiary has entered discussions on a deal to assemble radios in China. The radios would then be sold in Hong Kong to overseas Chinese visiting relatives in China and it is hoped, to Chinese travelling to Hong Kong among whom radios are a popular souvenir.

Sanyo is also in the running for the contract to export a television assembly plant along with Hitachi and Matsushita.

The strategy for the future is to base its sales on one-third domestic, one-third exports and the rest from expanding overseas operations. In the European

sales were off 0.1 per cent to ¥527.5bn (\$2.7bn) while net profit gained 3.8 per cent to ¥11.4bn (\$57.8m). The biggest drag on sales lay in exports which fell 11.6 per cent. Exports for the parent only were 44.9 per cent of the total last year, with domestic sales taking up 55.1 per cent, again and export share of 50.3 per cent, and domestic sale share of 49.7 per cent the year before.

Sanyo has the largest capacity for television production in Japan, behind Matsushita, with facilities to produce about 2m sets a year. The problem here is that the domestic demand for new television sets has levelled off, after falling sharply from a peak in 1972-73. The saturation of the Japanese market for

Japanese cities which specialise in pork and beef dishes.

In the three years to July 31, 1978, the company has made total capital investments of \$77.4m. The bulk of this has been used for the construction, expansion and modernisation of its production facilities with some funds going into new vehicles and the expansion of sales facilities. Planned capital expenditure in the year to July 31, 1979 is \$45.5m.

The expenditure programme is expected to continue into 1979-80, and to fund this the company will draw upon internally generated cash, and additional bank borrowings.

Consolidated net sales rose by 4.9 per cent to \$1.12bn in 1977-78 with processed meat sales jumping ahead by 12.9 per cent and sales of fresh meat stationary due to sluggish market conditions. Selling and general expenses continued to increase as a percentage of sales due primarily to the establishment of additional sales subsidiaries, but this was more than offset by higher sales of products with better profit margins plus a drop in interest costs.

The company has said that sales in the first half of its current year will not be less than last year's figure of \$513.3m and the interim non-consolidated net income will not be less than the comparative figure for the first half of last year (\$12.2m).

The exact terms of the issue have not yet been announced but are expected before the end of February. Applications have been made to list the shares in the form of CDRs on the Luxembourg Stock Exchange.

## Nippon Meat to raise \$45m by overseas issue

BY TERRY OGG

ONE OF Japan's largest fresh and processed meat distributors, Nippon Meat Packers, plans to raise about \$45m through a share issue to UK and continental investors.

It is the second time in just over two years that the company has approached overseas markets for equity funds and the eighth share issue made in less than five years. In that period net sales have risen by about 80 per cent to \$1.12bn, and net income has more than doubled to \$24.7m.

The issue of 12m common stock shares, represented by Continental Depository Receipts (CDR) comes at an interesting time. The Tokyo Stock Exchange index peaked at 422.97 on January 31, and since then has dropped by about 3 per cent.

Some question marks also overhang the future of Japanese convertible issues. Last week Honda Motor cancelled its proposed D-mark convertible while other recent D-mark convertible

issues, which started trading recently, have moved into heavy discount.

The proceeds of the issue have been earmarked by the company for capital expenditure in its current fiscal year on the expansion and modernisation of production facilities, the expansion of sales networks and the build up of the transport fleet.

Mr. Yoshinori Okano, the president, said in London recently that while it is difficult to forecast performance in detail for the year ending July 1979, steady growth in business can be attained.

"The meat packing industry has grown with the improvement of eating habits of the Japanese people," he said. "However, if the economic growth rate stabilises within

the range of 5 per cent to 7 per cent it will be difficult for the industry to continue to record double digit growth.

"On an overall basis I am confident that the meat packing industry will mark a stable growth slightly higher than that of GNP in the future."

The company was founded in 1948 by Mr. Okano, and in 1963 merged with the Torise Ham Company. At the time of the merger, the companies were third and fourth largest meat processors, in terms of turnover, in Japan. The company currently operates 20 plants and 166 sales offices throughout Japan.

Its principal products are fresh pork, beef, and chicken plus processed ham, press ham and sausage. It also operates 18 restaurants in seven

Japanese cities which specialise in pork and beef dishes.

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**Coutts & Co.**

Coutts & Co. announce that their Base Rate will be increased from 12½% to 13½% per annum for balances in their books on and after 14th February, 1979 and until further notice.

The Deposit Rate on monies subject to seven days' notice of withdrawal will increase from 10% to 11% per annum.



**National Westminster Bank**

NatWest announces that with effect from Wednesday, 14th February, 1979, its Base Rate is increased from 12½% to 13½% per annum.

The basic Deposit and Savings Account rates will be increased from 10% to 11% per annum.

U.S.\$25,000,000  
**The Tokai Bank, Ltd.**  
Negotiable Floating Rate U.S. Dollar  
Certificates of Deposit  
Series F Maturity date  
17 August, 1981



In accordance with the provisions of the Certificates of Deposit notice is hereby given that for the six-month period from 14 February 1979 to 14 August 1979 the Certificates will carry an Interest Rate of 11½% per annum.

Merrill Lynch International Bank Limited  
Agent Bank

## BUILDING SOCIETY INTEREST RATES

**GREENWICH**  
(01-858 8212)

281 Greenwich High Road,  
Greenwich SE10 8NL

Deposit Rate 6.45%. Share  
Accounts 8.10%, Sub'pn. Shares  
9.25%. Interest paid quarterly  
on shares/term shares. Monthly  
Income Shares 8.10%.

**LONDON GOLDBANK**  
(01-995 8321)

15/17 Chiswick High Road,  
London W4 2NG.

Sub'pn. Shares 9.75%. Deposit  
Rate 7.75%.  
Share Accounts 8.50%\*. 3 mths.  
notice 9.00%\*.  
Term Shares 9.50%\*. 3 yrs.:  
9.25%\*. 2 yrs.: 9.00%. 1 yr.:  
\* Includes 0.25% Centenary  
Bonus throughout 1979.

**CLIVE INVESTMENTS LIMITED**  
1 Royal Exchange Ave., London EC3V 3LU. Tel.: 01-283 1101.  
Index Guide as at January 23, 1979 (Base 100 on 1.1.77)  
Clive Fixed Interest Capital ..... 141.77  
Clive Fixed Interest Income ..... 110.2d

**ALLEN HARVEY & ROSS INVESTMENT MANAGEMENT LTD.**  
45 Cornhill, London, EC3V 3PB. Tel.: 01-623 6314.  
Index Guide as at February 1, 1979  
Capital Fixed Interest Portfolio ..... 100.02  
Income Fixed Interest Portfolio ..... 87.75

**Bank of New South Wales**



Bank of New South Wales announces that with effect from Wednesday, 14th February, 1979 its base rate for lending will be increased from 12½% to 13½% per annum.

Bank of New South Wales,  
29 Threadneedle Street,  
London, EC2R 8BA.

Incorporated in Australia with limited liability.

**Yorkshire Bank Base Rate**

With effect from 14th February 1979  
Base Rate will be  
changed from 12½% to 13½% p.a.



**Yorkshire Bank Limited**  
Reg. Office: 2 Infirmary Street  
Leeds LS1 2UL

**Standard Chartered**

announce that on and after 14th February, 1979 the following annual rates will apply:

**Base rate . . . . 13½%**  
(Increased from 12½%)

**Deposit rate (basic) 11%**  
(Increased from 10%)

**Standard Chartered Bank Limited**



**Co-operative Bank**

With effect from  
**14th February, 1979**  
the following rates will apply  
**Base Rate Change**  
**From 12½% to 13½% p.a.**

Also:

7 Day Deposit Accounts 11% p.a.  
1 Month Deposit Accounts 11½%



## INTERNATIONAL COMPANIES and FINANCE

## The wayward ways of the money supply

BY STEWART FLEMING, New York Correspondent

THE MUCH maligned weekly statistics from the Federal Reserve Board on the U.S. money supply are being treated with more scepticism by economists than at any time during the past three years.

During the past three months the two most common measures of the money supply, M1, which comprises currency in circulation and demand deposit accounts at commercial banks, and M2 which takes in savings accounts at commercial banks, have been more or less stagnating.

Over this period M1 has been shrinking at an annual rate of just over 2 per cent to stand currently at \$357bn and M2 has been increasing at an annual rate of only 2 per cent and now stands at \$874bn. In each case the trends contrast sharply with the 7.3 per cent and 8.5 per cent rates of increase for 1978 as a whole.

The abrupt change of direction has bemused economists who use the statistics to help them judge how the economy is performing. Some, including Federal Reserve Board officials, have suggested that the slowdown indicates that the central bank's moves to push up interest rates in November of last year are beginning to have an impact on the growth of the money supply and should therefore help the fight against inflation. Unfortunately this optimistic interpretation of what

is going on is being greeted by many economists with scepticism at best and in some cases with incredulity.

Many economists consider the figures to be inconsistent with the underlying strength of the economy and of inflation. They argue that if the figures are right then the economy has not been producing enough money to sustain the nominal growth rate of around 15 per cent in the final quarter of 1978 or the 10 per cent plus nominal growth rate expected early in 1979.

## Monetary base

Since they do not believe the economy is slowing sharply, something, they say, must be wrong with the data. To support this contention they are pointing to yet another measure, the monetary base. It comprises bank reserves and currency, and is the raw material on which new money supply expansion can be built. It has continued to grow by around 10 per cent as it did in 1978.

So the search is on for explanations of why the money supply data appears to be giving such confusing signals—signals which could lead to mistaken policy decisions.

One broad generalisation which Mr. Lief Olesen, who heads Citibank's economics department, has come to is that distortions in the financial markets partly reflecting high

interest rates are partly responsible. These distortions can result from new ways of transferring or handling money which are not reflected in the statistics on money supply as now collected.

Mr. Lacy Hunt, an economist at Fidelity Bank in Philadelphia and Mr. Lawrence Roos, President of the Federal Reserve Bank of St. Louis, have suggested that what are called "repurchase agreements" are distorting monetary data. By these agreements commercial banks obtain overnight funds by selling to commercial customers securities which they agree to buy back at a slightly higher price, the difference giving the customer a return on his money.

These funds which go into the banks do not figure in any of the money supply statistics according to Professor Alan Meltzer, a leading monetary economist at Carnegie-Mellon University in Pittsburgh who estimates that perhaps \$70bn of overnight "repos" are outstanding. He points out that they enable banks to collect funds without having to put reserve requirements against them and also to offer customers good yields uninhibited by Regulation Q interest rate ceilings.

The money supply data also do not include money invested in money market instruments by mutual funds. These amounts have been growing rapidly to around \$12bn now. Against

some of them investors can write cheques.

Another example of the factors which could be at work is that the commonly used money supply measures do not take into account money which banks raise through issuing large Certificates of Deposit. They appear in M1. In the last quarter of 1978 however banks were vigorously raising funds through CD issues and as deposits grow more slowly in 1979, further use of purchased funds raised partly by CD's is expected. This trend will also tend to depress the narrow money supply figures.

Other factors are also at work. Thus as from November 1 banks around the country have been able to offer accounts which in effect allow them to pay interest on deposits in what are, in statistical terms, savings accounts. Current estimates suggest that around \$5bn has gone into these accounts which artificially reduced the growth of the M1 measure. In June of last year moreover, banks and thrift institutions began to be allowed to attract new funds through issuing six-month savings certificates. About \$60bn has gone into these accounts.

To the extent that these funds were transferred out of bank accounts and have not found their way back into them, this too could have resulted in a slight reduction of the growth of M1 and M2.

A motley selection of other alternatives have been put forward to explain the sluggish money supply growth. The seasonal adjustment of money supply figures for example, would be a music hall joke were it not that the subject is so arcane. Salomon Brothers' economist, Dr. Henry Kaufman, has suggested that seasonal patterns in demand for funds from banks which is slack at the beginning of the year, may also be depressing the weekly money data. It is accepted, too, that there are lags in the changes of the money supply. Many economists are confidently predicting, and have been doing so for some weeks, so far without success, that any week now the money supply will surge again.

## Reform

The Federal Reserve itself has not eased its monetary policy in response to the slower monetary growth, partly it is suggested because of the continued uncertainties surrounding the dollar but also because, it is suspected, it has its doubts about the numbers too.

The Fed has disclosed this year that its staff has been working on proposals to reform the money supply data, beginning to collect it on a transactions basis instead of by the institutions with which money is deposited.

This would for example allow the central bank to collect demand deposit account statistics from thrift institutions and banks which would take account of the fact that the thrift institutions in some parts of the country are increasingly offering checking or current account type services.

The Fed is also supporting a measure now before Congress to impose reserve requirements on large thrift institutions as well as most banks, a step which would, it is argued, give it more control over the monetary economy and would help it halt the defections of banks from membership to the Federal Reserve system.

With the Federal Reserve Board widely seen to be the institution which can react most speedily to changing economic conditions, especially with the dollar so vulnerable, few economists would quarrel with steps the central bank might take to improve its command of monetary policy.

Monetarists would argue that the biggest step it could take would be to pay less attention to interest rates and more to money supply growth over the longer term. As things stand, however, there are fears that the central bank will pay too much attention to signals provided by flawed data, especially if it sees its role to be one of delicately tuning the economy.

## Banque de l'Indochine et de Suez

The shareholders of Banque de l'Indochine et de Suez attended a Combined Extraordinary and Ordinary General Meeting on 2nd February 1979 and:

1. Decided to revert to the Bank's previous type of management by abandoning the administrative procedure based on a Board of Management and a Supervisory Board which had been adopted in September 1975 following the absorption of Banque de Suez et de l'Union des Mines by Banque de l'Indochine. The Bank is therefore from now on placed under the administrative and management system provided for in articles 89 to 117 of the French Act of 24th July 1966 concerning commercial companies; it will consequently be administered by a Board of Directors.

2. Amended the articles of the Company accordingly.

3. Appointed to the duties of members of the Board of Directors:

Messrs Michel Caplain Gérard Dangelzer François de Fiers Jack Francis Paul Gardent Jean Gibert	Messrs Dominique de Grèges Philippe Malet Jean Maxime-Robert Jean-Marc Pelletier Jean Roquerbe Jean-Marc Vernes
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4. Appointed Mr. Jacques Georges-Picot as a member of the Advisory Board; the composition of the Advisory Board is therefore now as follows:  
Mr. Jacques Georges-Picot  
Miss Jeanne Langlet

Messrs Jean Margoulet Jean de Sailly Pierre Snot
--

5. Decided to authorise the Board of Directors to increase the issued capital of the Company and to set it up to a maximum amount of 800 million francs, in one or more instalments, in the proportions and at the times that it shall deem fit.

The members of the Board of Directors met together at the end of the General Meeting and decided to appoint Mr. Michel Caplain as Chairman, Messrs. François de Fiers and Jack Francis as Honorary Chairmen, Messrs. Jean Maxime-Robert and Philippe Malet as Vice-Chairmen and Messrs. Gérard Dangelzer and Jean-Marc Pelletier as General Managers. Mr. Frédéric Ourbak was also appointed General Manager of the Bank's Investment Services.

## BEAUMONT PROPERTIES LIMITED

Notice is hereby given of the appointment of Lloyds Bank Limited as Registrar.

All documents for registration and correspondence should in future be sent to the address below.

SECRETARY: G.W. GARRETT, F.C.I.S.



Lloyds Bank Limited,  
Registrars Department,  
Coring-by-Sea,  
Worthing, West Sussex, BN12 6DA.  
Telephone: Worthing 502541  
(STD Code 0903)

## How The Nation's Leading Hospital Company Contains Health Care Costs

Hospital Corporation of America is working every day to contain health care costs in more than 100 communities across America and throughout the world. We believe the efficiency of private enterprise is having a positive impact on the situation and we are proving that we can operate hospitals more efficiently. Through large scale purchasing, prototype construction, efficient personnel scheduling, developing and implementing new management systems, sharing of human resources and the simple factor of the profit motive, we are successfully containing health care costs.

HCA pioneered corporate management of hospital networks and continues as the leader after its first 10 years. Our Company is built on a commitment to deliver high quality patient care at reasonable prices. We attribute our success and steady growth that commitment. Call or write for more information.



HOSPITAL CORPORATION OF AMERICA  
One Park Plaza  
New York, NY 10022  
(615-327-6581)



## ANZ BANK

## Base rate

Australia and New Zealand Banking Group Limited announces that on and after

14th February 1979

its base rate will be

13½% per annum

AUSTRALIA AND NEW ZEALAND BANKING GROUP LIMITED  
(Incorporated in the State of Victoria, Australia with limited liability)  
71 Cornhill, London EC3V 3PR Tel: 01-623-7111

## Light talk &amp; NEC

we might run out of copper, we're not likely to run out of sand. So serious is light talk that—within a decade—light transmission using media such as NEC's optical fiber is expected to provide the most economical communication channels. It is, for example, the most practical way to expand a phone system. It is literally the cleanest—because nobody needs to dig holes in the ground again. And it is also figuratively the cleanest—because it's virtually noise-free.

As proof that this simpler solution works for complex problems, NEC has provided the Vista-Florida Telephone System which serves the resort complex of Disney World, with the first fully commercial 45 megabit optical fiber transmission system in the United States.

While others are still experimenting, NEC's system is already in active service. That's not surprising. After all, NEC was first in the world to announce a practical light communication system.

That wasn't the first and certainly won't be the last time NEC achieved a world first. With wide-ranging integration of electronics, computers and communications, NEC's advanced thinking puts the technology of tomorrow to work today.

Spreading the word to the world.

NEC

Nippon Electric Co. Ltd.

For further information write:  
P.O. Box 1, Takasawa, Tokyo, Japan  
Telex: NEC TOKYO 422605



on and after 15th March, Saturday after that date.

March, 1979.

is given below, have notes

0274 : 10365 to 10367 :

to 4377 : 4524 : 4525 :  
to 4929 : 4998

14th March, 1979

**CLUBS**

EYE. 185, Readi Street, S3A 0557. In  
part of: All-in. Mv. Thir. Spec. 6 in  
Floor Show. 10-23 12-25 3m 1.95 and  
music of Johann Hawksworth & Friends.

**GARGOYLE**, 608 Duncroft, London, W.1.  
NEW STRIPTEASE NIGHTS  
11-13 30 am. 12-13 30 am.  
Mon.-Fr., Closed Saturdays. 01-4277 6455.

**PERSONAL**

**CALL FOR INDUSTRIAL SANITY**, Public  
meeting—Canon Hall, S.W.1, tomorrow  
Thursday, 15th February, 1979, at  
5.50 pm. Speakers: Rt Hon. Peter  
Waller, Mr. John Goss, Mr. John  
Joseph Raker, Chairman of RHM, Al  
McKenna, Member of Parliament,  
Chairman of the Industrial Sanity  
the Working Club, 63, Victoria Street,  
London, S.W.1. Tel: 01-799 5220.



## Indices

**NEW YORK**—JOW JONES

Souza Cruz OP.	1.70	-0.63	0.21	12.85	Petrolíber	105	-	1
Unip PE	5.35	-0.86	0.35	4.50	Petrobras	155.50	+	1.50
Vale Rio Doce PP	1.20	-	-	-	Sniace	41	-	1
			0.17	14.18	Safesisa	125	-	-
Urmozer - Cr. Rio 2m				75.2m	Telefonica	70	+	1
Source: Rio de Janeiro SE					Union Elec.	54	+	3.50

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## NOTES







**MANAGE LAND** Continued

International Financial																		
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## BL strike leaders may call for return to work

They argue that there is widespread resentment among workers about the company's stance. Many employees remained opposed to central bargaining and the concept of parity—the same wage for the same job, regardless of the factory.

# Expansion was slowing before strike outbreak

pool wit

## Minet plans insurance pool with U.S. brokers

Minet Holdings, quoted on the London stock exchange with a stock market value of £82m, said last night that exploratory discussions were in progress between the two groups "with

## Germans expect new 'Carter notes' issue

of 2½ years and the other of 3½ years. This compares with the first issue, which was set at three years and four years minus one day.

It is thought the issue will once again be of a maximum DM 3bn (\$1,621m), and speculation puts the likely yield at about 6 per cent for the 2½-year tranche and 6.6 per cent for the 3½-year one. This compares with the first issue when the shorter dated tranche yielded 5.95 per cent and the longer one 6.2 per cent.

The estimates could well be

# Benn opposes Harrier sales to China

challenge this decision yesterday, but he also led demands from the Labour Party's International Committee for clarification of the Government's arms sales policy.

Bonn has already received several warnings from the Prime Minister that he cannot stay in the Cabinet if he flouts its collective responsibility for Government policy.

But he yesterday told a meeting of the International Committee that if the Government was not going to sell Harriers to Russia, it should not supply them to China.

## Iran bank accounts

Despite strong pressure on banks and companies to safeguard their Iranian investments there both Whitehall and the State Department are thought to be urging caution. Diplomats argue that legal action at this stage to invoke penal clauses, in the case of so-called "contractual" Iranian assets abroad could rebound seriously on future western opportunities in Iran.

In addition, senior bankers in New York and London were last night stressing that the position of the privately owned

## Base rates lifted

The banks are keen to emphasise that they have been looking for every opportunity to keep the increase in base rates as low as possible. They are also expressing the hope that rates have now peaked.

By going for only a 1 per cent increase the clearers believe they cannot be accused of making matters worse for industry. There is, however, still

INDUSTRIAL PRODUCTION			
1975 = 100, seasonally adjusted			
	All Industries	Manufacturing	
1977	1st 105.5	103.8	
	2nd 105.6	102.4	
	3rd 106.2	103.0	
	4th 105.8	101.9	
1978	1st 106.9	102.1	
	2nd 110.9	104.7	
	3rd 111.2	105.9	
	4th 109.9	102.7	
	Oct. 108.9	102.1	
	Nov. 109.4	102.5	
	Dec. 111.3	103.6	

Source: Federal Statistical Office.

## France

# Public spending decision tomorrow

created considerable political and administrative problems in preparing the limits, of which pay forms a large part.

## Implications

This, together with possible political problems, appears to rule out any early or emergency package, especially as sterling remains stable and the money and gilt-edged markets have reacted favourably to last week's rise in Minimum Lending Rate.

## Weather

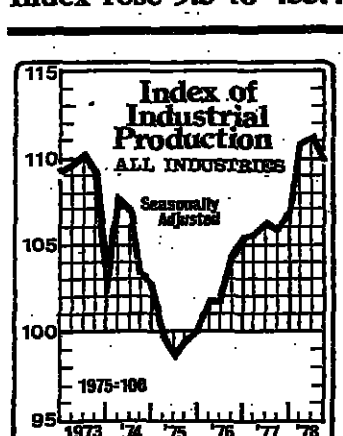
WORLDWIDE	
Y'day	Y'day

**WORLDWIDE**

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## THE LEX COLUMN

# Norcros returns for Johnson



So investors still need assurance that Dalgety can continue to generate profits growth in 1979/80. Simon and Coates, for example, reckon that they are on track for £40m pre-tax. Others are less optimistic. In the meantime the shares yield 7.5 per cent and earnings per share of 40p say in 1978/79 would not be much different from what they were in 1975, —prior to the two rights issue.

**MFI**

With interim profits of \$60.3m against \$17.1m pre-tax, MFT is clearly on a very strong growth path but its dividend aspirations stood to have been stifled by the missed dividend of 1975. The Treasury retains a missed dividend, thereby playing infinite covers, which eliminates any chance that a company like MFT can normally benefit from the cover rule whatever its subsequent growth performance. The proposed scheme of arrangement is a cosmetic move to bypass this quirk but given such nominal dividend, shareholders should not really ask why the income reward for near threefold earnings growth is not greater. The yield at 234p on the projected doubled annual dividend is only 2.7 per cent.

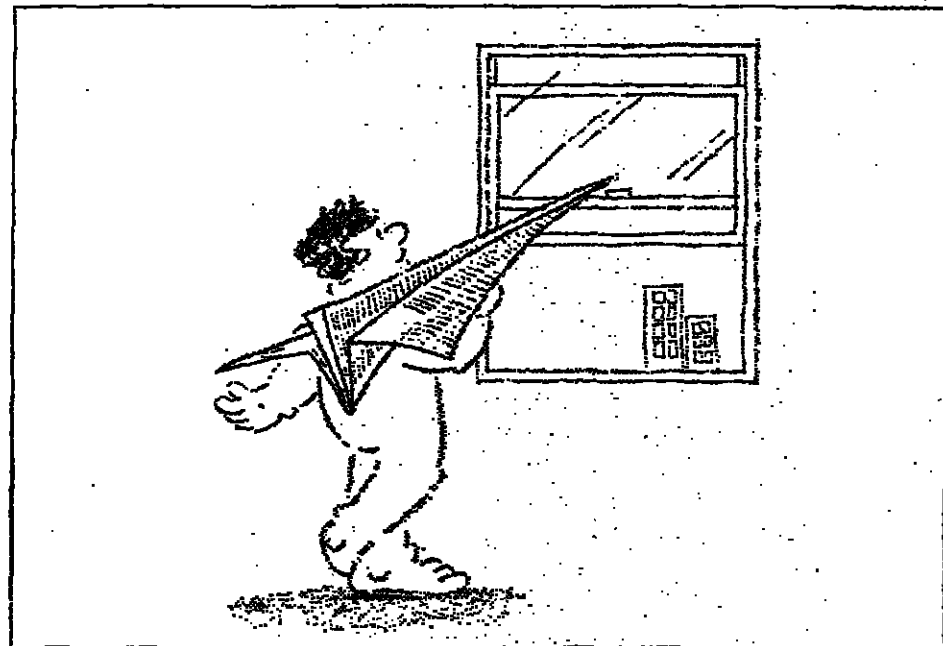
## Notts. Manufacturing

This is, admittedly, rather slower earnings growth than NM has shown over the last two years. Second half margins were squeezed despite high consumer spending as sales of imported textile goods were still running at a high level; benefits from the Multifibre Agreement have yet to show through. Further pressure on margins may come from the sharp rise in synthetic fibre prices.

## Dalgety

In less than two years Dalgety has had two rights issues totaling £30m, arranged a ten-year bank facility worth around £50m and made over half a dozen acquisitions. So the stock market had been gearing itself up for some spectacular results. In the event a 22 per cent rise in interim pre-tax profits to £12.2m

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**NatWest**  
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**National Westminster Bank Ltd. Registrars Department**  
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